MILITARY CONSTRUCTION APPROPRIATIONS FOR 1987

HEARINGS

BEFORE A

SUBCOMMITTEE OF THE

COMMITTEE ON APPROPRIATIONS

HOUSE OF REPRESENTATIVES

NINETY-NINTH CONGRESS

SECOND SESSION

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PART 2

Justification of the Budget Estimates

NAVY, DEFENSE AGENCIES, AND NATO

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Department of the Navy

FY 1987 MILITARY CONSTRUCTION & FAMILY HOUSING PROGRAM

February 1986

JUSTIFICATION DATA SUBMITTED TO CONGRESS

DEPARTMENT OF THE NAVY
FY 1987 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

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STATE LIST

Department of the Navy
FY 1987 Military Construction and Family Housing Program
Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
		INSIDE THE UNITED STATES					
Alaska		Naval Air Station Adak	PACFLT				259
	920	Radar Support Facilities		$ 24,400	$ 24,400	70	260
	011	Construction Management Facility Improvements		500	500	35	760
		Subtotal		24,900	24,900		
		Naval Facility Adak	PACFLT				262
	010	Terminal Building Addition		5,700	5,700	45	263
		Subtotal		5,700	5,700		
		Naval Security Group Activity, Adak	SECGRU				445
	057	Ocean Surveillance Building		13,400	13,400	45	446
	054	Water Distribution System Improvements		1,200	1,200	45	448
		Subtotal		14,600	14,600		
		TOTAL FOR ALASKA		45,200	45,200		
Arizona		Marine Corps Air Station Yuma	MARCORPS				169
	393	Tactical Support Van Pads		1,870	1,870	35	170
	396	Maintenance Hangars Additions		2,650	2,650	35	172
	407	Marine Air Control Squadron Facility		2,950	2,950	1/	174
	408	Battalion Headquarters		0	2,050	100	176
	333	Armory		640	640	35	761
	403	Engine Maintenance Facility Modifications		300	300	35	761
	017	Construction Management Facility		450	450	35	761
		Subtotal		8,860	10,910		
		TOTAL FOR ARIZONA		8,860	10,910		

1/ One-step procurement.

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(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
California		Naval Air Station Alameda	PACFLT				265
	204	Berthing Pier and Utilities Improvements		$ 17,675	$ 17,675	40	266
	278	Waterfront Support Facility		950	950	55	762
		Subtotal		18,625	18,625		
		Marine Corps Air Station Camp Pendleton	MARCORPS				85
	338	Ordnance Handling Pad		3,040	3,040	35	86
	235	Aircraft Operations Building and Control Tower		2,160	2,160	35	88
	357	Aircraft Maintenance Training Buildings		1,080	1,080	35	90
	525	Engine Test Cell		3,240	3,240	35	92
	457	Oil Spill Prevention		540	540	35	749
	360	Electronics and Communications Maintenance Shop		350	350	90	762
		Subtotal		10,410	10,410		
		Marine Corps Base Camp Pendleton	MARCORPS				94
	356	Training Support Center		5,500	5,500	40	95
	906	Parachute and Survival Equipment Shop		2,160	2,160	40	98
	688	Combat Vehicle Maintenance Shop		4,320	4,320	40	100
	690	Communications Support Storehouse		2,650	2,650	40	102
	689	Battalion Operations Center		1,080	1,080	40	104
	905	Bachelor Enlisted Quarters		12,300	12,300	50	106
	961	Mess Hall Additions and Modernizations		5,100	5,100	40	108
	609	Physical Fitness Center		2,850	2,850	40	110
	982	Oil Spill Prevention		1,180	1,180	35	750
	875	Family Housing (100 units)		1,800	1,800	N/A	823
		Subtotal		38,940	38,940		

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(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
California (Continued)		Naval Facility Centerville Beach	PACFLT				279
	001	Security Improvements		$ 1,370	$ 1,370	40	280
		Subtotal		1,370	1,370		
		Naval Weapons Center China Lake	OCNR				579
	241	Guided Missile Laboratory		10,300	10,300	40	580
	275	Explosive Ordnance Breakdown Facility		1,370	1,370	40	583
	233	Mess Hall		2,450	2,450	50	586
		Subtotal		14,120	14,120		
		Naval Weapons Station Concord	NAVSEA				536
	267	Missile Test Cells		790	790	35	763
		Subtotal		790	790		
		Naval Amphibious Base Coronado	PACFLT				282
	078	Operational Storage Warehouse		3,720	3,720	35	283
	154	Sealift Support Pier		2,550	2,550	35	285
	096	Bachelor Officer Quarters		9,800	9,800	35	287
	148	Electrical Distribution System Improvements		5,100	5,100	50	289
		Subtotal		21,170	21,170		
		Marine Corps Air Station El Toro	MARCORPS				121
	551	Maintenance Hangar Modernization		11,880	11,880	35	122
	394	Engine Maintenance Shop Addition		1,570	1,570	35	124
		Subtotal		13,450	13,450		
		Naval Air Station Lemoore	PACFLT				302
	082	Industrial Waste Treatment Facility		980	980	40	750
		Subtotal		980	980		

Department of the Navy
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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
California (Continued)		Naval Station Long Beach	PACFLT				303
	173	Bachelor Enlisted Quarters		$ 7,050	$ 7,050	35	304
	174	Bachelor Officer Quarters		3,730	3,730	50	306
	162	Lighting Systems		210	210	50	744
	015	Family Housing (300 Units)		22,900	22,900	N/A	813
		Subtotal		33,890	33,890		
		Navy Tactical Interoperability Support Activity, Long Beach	CNO				187
	003	Tactical Data System Support Facility		510	510	70	763
		Subtotal		510	510		
		Naval Shipyard Long Beach	NAVSEA				559
	183	Electronic Systems Evaluation Facility		1,180	1,180	40	560
	215	Hazardous Waste Facility		2,450	2,450	40	750
		Subtotal		3,630	3,630		
		Naval Air Station Miramar	PACFLT				311
	297	Maintenance Hangar Addition		5,110	5,110	35	312
	267	Avionics Shop Addition		3,240	3,240	35	314
	179	Bachelor Enlisted Quarters		13,200	13,200	35	316
	889	Consolidated Brig		22,500	22,500	35	318
	298	Hangar Utilities Improvements		350	350	80	763
		Subtotal		44,400	44,400		
		Naval Air Station Moffett Field	PACFLT				
	057	Family Housing (126 Units)		11,600	11,600	N/A	818
		Subtotal		11,600	11,600		

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Index of Locations
(Dollars in Thousands)

State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
California (Continued)		Naval Supply Center Oakland	NAVSUP				460
	084	General Warehouse Addition and Modernization		$ 2,950	$ 2,950	35	461
	019	Fire Protection System		540	540	35	764
		Subtotal		3,490	3,490		
		Pacific Missile Test Center, Point Mugu	NAVAIR				495
	036	Telemetry Facilities		590	590	50	764
		Subtotal		590	590		
		Naval Construction Battalion Center Port Hueneme	NAVFAC				516
	452	Engineering Support Facility		3,140	3,140	45	517
	392	Bachelor Officer Quarters		3,040	3,040	35	519
	081	Chapel		0	2,040	100	521
	407	Abrasive Blast Facility		300	300	35	764
	389	Hazardous Waste Facility		640	640	50	751
		Subtotal		7,120	9,160		
		Naval Contruction Training Center Port Hueneme	CNET				401
	436	Seabee Fleet Support Training Facilities		3,240	3,240	50	402
	431	Automotive Vehicle Maintenance Facility		1,470	1,470	50	404
		Subtotal		4,710	4,710		
		Fleet Intelligence Training Center Pacific, San Diego	CNET				406
	001	Intelligence Training Building		4,220	4,220	40	407
		Subtotal		4,220	4,220		

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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
California (Continued)		Fleet Training Center San Diego	CNET				409
	013	Weapons Training Building		$ 3,930	$ 3,930	40	410
		Subtotal		3,930	3,930		
		Marine Corps Recruit Depot, San Diego	MARCORPS				512
	188	Supply Complex		8,440	8,440	35	153
		Subtotal		8,440	8,440		
		Naval Station San Diego	PACFLT				324
	296	Dredging		1,260	1,260	60	325
	253	Bachelor Enlisted Quarters		18,200	18,200	35	327
		Subtotal		19,460	19,450		
		Naval Submarine Base San Diego	PACFLT				329
	053	Bachelor Enlisted Quarters		9,100	9,100	40	330
	098	Sewerage System Improvements		300	300	40	751
		Subtotal		9,400	9,400		
		Naval Supply Center San Diego	NAVSUP				467
	058	Personal Property Office		1,370	1,370	35	468
	069	Railroad Track Relocation		2,450	2,450	80	470
		Subtotal		3,820	3,820		
		Naval Security Group Detachment, San Diego	SECGRU				450
	181	Classified Materials Issuing Office Addition		1,570	1,570	40	451
		Subtotal		1,570	1,570		

Department of the Navy
FY 1987 Military Construction and Family Housing Program
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State/ Country	Proj. Number	Installation/Project Title	Major Command	Auth. Request	Approp. Request	% Design As of Jan 86	Page No.
California (Continued)		Naval Training Center San Diego	CNET				412
	332	Machinery Repairman Training Building		$ 5,700	$ 5,700	40	413
	171	Barracks		4,220	4,220	45	415
	083	Electrical Distribution System Improvements		8,250	8,250	50	417
	352	Bridge		2,950	2,950	50	419
		Subtotal		21,120	21,120		
		Naval Technical Training Center, San Francisco	CNET				421
	216	Fire Fighting Trainer Facility		9,820	9,820	45	422
		Subtotal		9,820	9,820		
		Navy Public Works Center San Francisco	NAVFAC				523
	044	Noise Attenuation		450	450	60	765
	031	Family Housing (300 Units)		26,450	26,450	N/A	825
		Subtotal		26,900	26,900		
		Naval Weapons Station Seal Beach	NAVSEA				571
	112	Quality Evaluation Laboratory		6,100	6,100	40	572
		Subtotal		6,100	6,100		
		Naval Communication Station, Stockton	TELCOM				441
	065	Fire Protection Pipeline		2,750	2,750	60	442
		Subtotal		2,750	2,750		

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
AIR FORCE		
SUNNYVALE AFS		
ALTER MISSION CONTROL CENTERS	2,000	
SUNNYVALE AFS		2,600
TRAVIS AFB		
ALTER AIRCRAFT MAINTENANCE HANGAR	1,600	
PHYSICAL FITNESS CENTER	4,700	
SATELLITE COMMUNICATIONS GROUND TERMINAL	1,900	
*WEAPONS SYS MAINT MGT SUPPORT FACILITY	6,500	
TRAVIS AFB		14,700
AUTHORIZED IN PRIOR YEAR		(6,500)
VANDENBURG AFB		
ADD/ALTER OAK MOUNTAIN POWER PLANT	2,700	
VANDENBURG AFB		2,700
**AIR FORCE		115,326
AUTHORIZED IN PRIOR YEAR		(10,200)
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
EDWARDS AFB		
ROCKET PROPULSION BRILION FACILITY	4,140	
EDWARDS AFB		4,140
DEFENSE LEVEL ACTIVITIES		
DEFENSE LANGUAGE INSTITUTE - MONTEREY		
BARRACKS	5,400	
DEFENSE LANGUAGE INSTITUTE - MONTEREY		5,400
EDWARDS AFB		
DENTAL CLINIC	3,950	
EDWARDS AFB		3,950
MARCH AFB		
ADD/ALTER MEDICAL LOGISTIC FACILITY	2,350	
MARCH AFB		2,350
FORT ORD		
HOSPITAL ADDITION	530	
FORT ORD		530
TRAVIS AFB		
*COMPOSITE MEDICAL FACILITY PHASE IV	87,500	
TRAVIS AFB		87,500
AUTHORIZED IN PRIOR YEAR		(87,500)
VANDENBERG AFB		
ADD/ALTER MEDICAL CENTER CLINIC ANNEX	1,900	
VANDENBERG AFB		1,900
**DEFENSE LEVEL ACTIVITIES		101,630
AUTHORIZED IN PRIOR YEAR		(87,500)
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT ESTERO BAY		
FIRE PROTECTION	680	
DEF FUEL SUPPORT POINT ESTERO BAY		680
ARMY NATIONAL GUARD		
CAMP SAN LUIS OBISPO		
CLOSE COMBAT COURSE	184	
CAMP SAN LUIS OBISPO		184
LONG BEACH		
ORGANIZATIONAL MAINTENANCE SHOP MODIFICAT.	191	
LONG BEACH		191

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
ARMY NATIONAL GUARD		
SANTA BARBARA		
ORGANIZATIONAL MAINTENANCE SHOP MODIFICAT.	125	
SANTA BARBARA		125
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	500	
VARIOUS LOCATIONS		500
**ARMY NATIONAL GUARD		1,000
AIR NATIONAL GUARD		
MOFFETT NAS		
AIRCRAFT PARKING APRON SHOULDER	160	
MOFFETT NAS		160
POINT MUGU NAS		
ANG OPERATIONS AND TRAINING COMPLEX-PH I	19,700	
POINT MUGU NAS		19,700
**AIR NATIONAL GUARD		19,860
ARMY RESERVE		
OAKLAND		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	2,986	
OAKLAND		2,986
SANTA ANA		
ADD/ALTER ARMED FORCES RESERVE CENTER	1,158	
SANTA ANA		1,158
VAN NUYS		
MAINTENANCE SHOP/KITCHEN	300	
VAN NUYS		300
WEST LOS ANGELES		
ADD/ALTER RESERVE CENTER	3,648	
WEST LOS ANGELES		3,648
**ARMY RESERVE		8,092
NAVY RESERVE		
NMCRC LONG BEACH		
PARACHUTE LOFT	190	
NMCRC LONG BEACH		190
AIR FORCE RESERVE		
MARCH AFB		
AERIAL PORT TRAINING FACILITY	1,980	
COMPOSITE MAINTENANCE FACILITY	2,300	
MARCH AFB		4,280
NORTON AFB		
ALTER 445 MAW HEADQUARTERS	180	
NORTON AFB		180
**AIR FORCE RESERVE		4,460
FAMILY HOUSING		
ARMY		
FORT IRWIN		
NEW CONSTRUCTION (38)	[730]	
FORT IRWIN		
FAMILY HOUSING		[730]

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CALIFORNIA		
ARMY		
FORT ORD		
NEW CONSTRUCTION (385)	[34,000]	
FORT ORD		
FAMILY HOUSING		[34,000]
**ARMY		
FAMILY HOUSING		[34,730]
NAVY		
MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS		
NEW CONSTRUCTION (392)	[33,900]	
TRAILER PADS (075)	[1,400]	
MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS		
FAMILY HOUSING		[35,300]
MARINE CORPS BASE CAMP PENDLETON		
TRAILER PADS (100)	[1,800]	
MARINE CORPS BASE CAMP PENDLETON		
FAMILY HOUSING		[1,800]
NAS MOFFETT FIELD		
NEW CONSTRUCTION (126)	[11,600]	
NAS MOFFETT FIELD		
FAMILY HOUSING		[11,600]
NAVAL STATION LONG BEACH		
NEW CONSTRUCTION (300)	[22,900]	
NAVAL STATION LONG BEACH		
FAMILY HOUSING		[22,900]
PUBLIC WORKS CENTER SAN FRANCISCO		
NEW CONSTRUCTION (300)	[26,450]	
PUBLIC WORKS CENTER SAN FRANCISCO		
FAMILY HOUSING		[26,450]
**NAVY		
FAMILY HOUSING		[98,050]
AIR FORCE		
BEALE AFB		
MAINTENANCE SHOP	[180]	
BEALE AFB		
FAMILY HOUSING		[180]
EDWARDS AFB		
24 SPACE ADDITION MOBILE HOME PARK	[376]	
EDWARDS AFB		
FAMILY HOUSING		[376]
**AIR FORCE		
FAMILY HOUSING		[556]
**CALIFORNIA		617,173
AUTHORIZED IN PRIOR YEAR		(99,740)
FAMILY HOUSING		[133,336]
COLORADO		
ARMY		
FORT CARSON		
RANGE ROADS -PHASE III	3,500	
VEHICLE WASHRACK	7,800	
FORT CARSON		11,300
PUEBLO DEPOT ACTIVITY		
SECURITY UPGRADE	600	
PUEBLO DEPOT ACTIVITY		600
**ARMY		11,900

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
COLORADO		
AIR FORCE		
FALCON AFS		
LAND ACQUISITION (EASEMENT)	6,400	
FALCON AFS		6,400
LA JUNTA		
STR-COMPOSITE SUPPORT FACILITIES	2,150	
STR-LAND ACQUISITION	260	
STR-TECHNICAL OPERATIONS FACILITY	1,300	
STR-UNACCOMP ENLISTED PERSONNEL HOUSING	1,750	
LA JUNTA		5,460
PETERSON AFB		
ADD-ALTER SECURITY POLICE FACILITY	590	
BASE SUPPLY WAREHOUSE-PHASE I	4,000	
TROOP SUBSISTENCE STORAGE FACILITY	990	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,050	
PETERSON AFB		8,630
US AIR FORCE ACADEMY		
ADD-ALTER BASE CIVIL ENGINEERING FACS	990	
*ADD-ALTER CADET GYMNASIUM	7,400	
ADD-ALTER SECURITY POLICE FACILITY	600	
ALTER ELECTRICAL DISTRIBUTION SYSTEM	4,000	
LAND ACQUISITION	230	
US AIR FORCE ACADEMY		13,220
AUTHORIZED IN PRIOR YEAR		(7,400)
**AIR FORCE		33,710
AUTHORIZED IN PRIOR YEAR		(7,400)
NAVY RESERVE		
NRC FORT CARSON		
PERMANENT DRILL SITE RNCFSU-2	390	
NRC FORT CARSON		390
AIR FORCE RESERVE		
PETERSON AFB		
ADD-ALTER SECURITY POLICE FACILITY	200	
COMPOSITE TRAINING FACILITY	1,060	
PETERSON AFB		1,260
FAMILY HOUSING		
AIR FORCE		
LA JUNTA		
NEW CONSTRUCTION (40)	[4,000]	
LA JUNTA		
FAMILY HOUSING		[4,000]
**COLORADO		47,260
AUTHORIZED IN PRIOR YEAR		(7,400)
FAMILY HOUSING		[4,000]
CONNECTICUT		
NAVY		
NAVAL SUBMARINE BASE NEW LONDON		
BACHELOR OFFICER QUARTERS	9,300	
FUEL STORAGE TANKS	1,470	
QUAYWALL	3,160	
WEAPONS STORAGE IMPROVEMENTS	2,950	
NAVAL SUBMARINE BASE NEW LONDON		16,880
NAVAL SUBMARINE SCHOOL NEW LONDON		
ADVANCED ENGINEERING TRAINING FACILITY	6,200	

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* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CONNECTICUT		
NAVY		
NAVAL SUBMARINE SCHOOL NEW LONDON		
SUBMARINE FIRE FIGHTING TRAINER FACILITY	3,340	
NAVAL SUBMARINE SCHOOL NEW LONDON		9,540

**NAVY		26,420
DELAWARE		
ARMY NATIONAL GUARD		
DAGSBORO		
ORGANIZATIONAL MAINTENANCE SHOP	396	
DAGSBORO		396
DISTRICT OF COLUMBIA		
NAVY		
COMMANDANT NAVAL DISTRICT WASHINGTON		
BACHELOR ENLISTED QUARTERS MODERNIZATION	2,000	
WHITE HOUSE SUPPORT COMPLEX	24,000	
COMMANDANT NAVAL DISTRICT WASHINGTON		26,000
NAVAL OBSERVATORY WASHINGTON		
EMERGENCY POWER BUILDING	980	
NAVAL OBSERVATORY WASHINGTON		980
NAVAL RESEARCH LABORATORY WASHINGTON		
PHYSICS LABORATORY IMPROVEMENTS	8,730	
NAVAL RESEARCH LABORATORY WASHINGTON		8,730

**NAVY		35,710
DEFENSE NUCLEAR AGENCY		
NAVAL REARSCH LAB		
PULSE POWER RESEARCH FACILITY	3,200	
NAVAL REARSCH LAB		3,200

**DISTRICT OF COLUMBIA		38,910
FLORIDA		
NAVY		
NAVAL AIR REWORK FACILITY PENSACOLA		
AIRCRAFT STRUCTURES REPAIR FACILITY	8,050	
NAVAL AIR REWORK FACILITY PENSACOLA		8,050
NAVAL AIR STATION CECIL FIELD		
AIRCRAFT ACOUSTICAL ENCLOSURE	4,910	
BACHELOR ENLISTED QUARTERS	3,730	
NAVAL AIR STATION CECIL FIELD		8,640
NAVAL AIR STATION JACKSONVILLE		
AIRCRAFT PARKING APRON	2,160	
BRIG	2,650	
HELICOPTER TRAINING FACILITY	4,220	
NAVAL AIR STATION JACKSONVILLE		9,030
NAVAL AIR STATION KEY WEST		
AIR COMBAT TRAINING DEBRIEFING FACILITY	930	
HYDROFOIL BERTHING WHARF	8,490	
MUNICIPAL SEWER CONNECTION IMPROVEMENTS	720	
NAVAL AIR STATION KEY WEST		10,140
NAVAL AIR STATION WHITING FIELD		
RUNWAY IMPROVEMENT	2,120	
NAVAL AIR STATION WHITING FIELD		2,120

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
FLORIDA		
NAVY		
NAVAL COASTAL SYSTEMS CENTER PANAMA CITY		
UNDERWATER EQUIPMENT LABORATORY	880	
NAVAL COASTAL SYSTEMS CENTER PANAMA CITY		880
NAVAL DIV & SALVAGE TRNG CTR PANAMA CITY		
DIVER TRAINING BUILDING ADDITION	2,850	
NAVAL DIV & SALVAGE TRNG CTR PANAMA CITY		2,850
NAVAL HOSPITAL PENSACOLA		
FIRE PROTECTION SYSTEM IMPROVEMENTS	690	
NAVAL HOSPITAL PENSACOLA		690
NAVAL STATION MAYPORT		
PHYSICAL FITNESS CENTER ADDITION	880	
NAVAL STATION MAYPORT		880
NAVAL SUPPLY CENTER DETACHMENT MAYPORT		
FLEET SUPPORT WAREHOUSE ADDITION	3,730	
NAVAL SUPPLY CENTER DETACHMENT MAYPORT		3,730
NAVAL SUPPLY CENTER JACKSONVILLE		
OIL SPILL PREVENTION	830	
NAVAL SUPPLY CENTER JACKSONVILLE		830
NAVAL TECHNICAL TRAINING CENTER PENSACOLA		
BOILER PLANT MODIFICATIONS	1,180	
CONTROLLED HUMIDITY STORAGE FACILITY	1,570	
INSTRUMENTATION TRAINING FACILITY	4,610	
NAVAL TECHNICAL TRAINING CENTER PENSACOLA		7,360
NAVAL TRAINING CENTER ORLANDO		
ADVANCED UNDERWATER WEAPONS TRAINING FAC	2,950	
BARRACKS	8,440	
FIRE STATION	1,230	
PUBLIC WORKS SHOP	2,550	
NAVAL TRAINING CENTER ORLANDO		15,170
NAVY PUBLIC WORKS CENTER PENSACOLA		
ELECTRICAL SYSTEM IMPROVEMENTS	1,470	
HAZARDOUS MATERIALS STORAGE & HANDLING FAC	400	
OIL SPILL PREVENTION	250	
NAVY PUBLIC WORKS CENTER PENSACOLA		2,120
**NAVY		72,490
AIR FORCE		
AVON PARK		
EXTEND RUNWAY	4,100	
AVON PARK		4,100
EGLIN AFB		
FUEL SYSTEMS MAINTENANCE FACILITY	1,650	
NON-DESTRUCT INSPECTION FACILITY	720	
EGLIN AFB		2,370
HOMESTEAD AFB		
DINING HALL AND TROOP ISSUE FACILITY	3,400	
F16-ECM POD SHOP AND STORAGE	1,650	
MEDICAL WAR RESERVE MATERIAL FACILITY	770	
SOUND SUPPRESSOR SUPPORT	730	
HOMESTEAD AFB		6,550
MACDILL AFB		
ALTER USREDCOM COMMAND CENTER	1,600	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
FLORIDA		
AIR FORCE		
MACDILL AFB		
BASE CONTRACTING FACILITY	1,350	
MEDICAL WAR RESERVE MATERIAL FACILITY	780	
MACDILL AFB		3,730
PATRICK AFB		
AIRCRAFT CORROSION CONTROL FACILITIES	2,600	
PATRICK AFB		2,600
TYNDALL AFB		
*CONSOLIDATED TRAINING FACILITY	1,500	
ECIP-FACILITY ENERGY IMPROVEMENTS	600	
TYNDALL AFB		2,100
AUTHORIZED IN PRIOR YEAR		(1,500)
**AIR FORCE		21,450
AUTHORIZED IN PRIOR YEAR		(1,500)
ARMY NATIONAL GUARD		
AVON PARK		
RANGE, 25 METER ZERO	109	
RANGE, COMBAT PISTOL	165	
AVON PARK		274
CAMP BLANDING		
MOBILIZATION & TRAINING EQUIP SITE ADD/ALT	1,043	
CAMP BLANDING		1,043
CRYSTAL RIVER		
200 PERSON ARMORY	1,017	
CRYSTAL RIVER		1,017
DAYTONA BEACH		
ARMORY MODIFICATION	389	
DAYTONA BEACH		389
LAKELAND		
TRAINING SET FIRE OBSERVATION BUILDING	116	
LAKELAND		116
PANAMA CITY		
ARMORY ADD/ALT	809	
PANAMA CITY		809
PENSACOLA		
ORGANIZATIONAL MAINTENANCE SHOP	307	
PENSACOLA		307
SARASOTA		
ARMORY ADD/ALT	617	
SARASOTA		617
TAVARES		
ORGANIZATIONAL MAINTENANCE SHOP	487	
TAVARES		487
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	315	
VARIOUS LOCATIONS		315
**ARMY NATIONAL GUARD		5,374
AIR NATIONAL GUARD		
JACKSONVILLE IAP		
ADD-ALTER AIRCRAFT ENGINE SHOP	360	

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
FLORIDA		
AIR NATIONAL GUARD		
JACKSONVILLE IAP		
FIRE SUPPRESSION SYSTEM	750	
SPECIAL FUELS FACILITY	240	
JACKSONVILLE IAP		1,350
MACDILL AFB		
COMMUNICATIONS-ELECTRONICS TRNG COMPLEX	4,700	
MACDILL AFB		4,700
**AIR NATIONAL GUARD		6,050
ARMY RESERVE		
PERRINE		
ARMY RESERVE CENTER/MEDICAL WING/MAINT	6,700	
PERRINE		6,700
**FLORIDA		112,064
AUTHORIZED IN PRIOR YEAR		(1,500)
GEORGIA		
ARMY		
FORT BENNING		
CHAPEL	1,700	
CHILD DEVELOPMENT CENTER ADDITION	280	
FIRE STATION	1,100	
VEHICLE WASH FACILITY	4,000	
VEHICLE WASH FACILITY	9,100	
FORT BENNING		16,180
FORT MCPHERSON		
OPERATIONS FACILITY	2,900	
FORT MCPHERSON		2,900
FT STEWART/HUNTER AAF		
FLIGHT SIMULATOR BUILDING	1,550	
FT STEWART/HUNTER AAF		1,550
**ARMY		20,630
NAVY		
NAVAL SUBMARINE BASE KINGS BAY		
BACHELOR OFFICER QUARTERS	3,440	
COMMANDER SUBMARINE GROUP OFFICE	1,550	
COMMUNITY IMPACT ASSISTANCE	5,100	
DEFENSIVE ORDNANCE SUPPORT FACILITIES	3,440	
DIESEL FUEL FACILITIES	1,960	
DOCKSIDE HANDLING BUILDING	3,340	
DREDGING	50,400	
DRYDOCK	45,450	
FIRE STATION	350	
OFF-CREW OPERATIONS BUILDING	7,400	
PROVISION WAREHOUSE	2,160	
READY STORES FACILITY	1,270	
REFIT SUPPORT FACILITY	2,950	
REFIT WHARF	23,500	
STRATEGIC WEAPONS MAGAZINES	16,700	
STRATEGIC WPNS SYS SECOND LEVEL MAIN SHOPS	3,930	
UTILITIES AND SITE IMPROVEMENTS	4,900	
NAVAL SUBMARINE BASE KINGS BAY		177,840
AIR FORCE		
MOODY AFB		
AIR FORCE COMM COMMAND MAINT FAC	900	
MOODY AFB		900

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GEORGIA		
AIR FORCE		
ROBINS AFB		
ADD TO-ALTER AVIONICS REPAIR FACILITY	6,455	
AIRCRAFT UTILITY OUTLETS	1,700	
DANGEROUS CARGO PAD	2,700	
HIGH DENSITY STORAGE FACILITIES	3,800	
KC135-COCKPIT PROCEDURES TRAINER SIM FAC	660	
SOUND SUPPRESSOR SUPPORT	740	
ROBINS AFB		16,055
**AIR FORCE		16,955
DEFENSE LEVEL ACTIVITIES		
FORT BENNING		
WHITE ELEM SCHOOL MODERNIZATION/ADDITION	1,080	
FORT BENNING		1,080
ROBINS AIR FORCE BASE		
ROBINS AND LINWOOD ELEM SCHOOL ADDITIONS	2,440	
ROBINS AIR FORCE BASE		2,440
**DEFENSE LEVEL ACTIVITIES		3,520
ARMY NATIONAL GUARD		
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	486	
VARIOUS LOCATIONS		486
AIR NATIONAL GUARD		
DOBBINS AFB		
ADD-ALTER AIRCRAFT MAINTENANCE BLDGS-PH I	6,000	
DOBBINS AFB		6,000
ST SIMONS ISLAND		
COMMUNICATIONS/ELECTRONICS TRAINING FAC	5,000	
ST SIMONS ISLAND		5,000
**AIR NATIONAL GUARD		11,000
**GEORGIA		230,431
HAWAII		
ARMY		
HAWAII VARIOUS		
OPERATIONS SUPPORT FACILITY	12,000	
HAWAII VARIOUS		12,000
WHEELER ARMY AIR FIELD		
FLIGHT SIMULATOR BUILDING	2,900	
WHEELER ARMY AIR FIELD		2,900
**ARMY		14,900
NAVY		
CAMP H M SMITH - OAHU		
LAND ACQUISITION	1,570	
SECURITY HEADQUARTERS	500	
CAMP H M SMITH - OAHU		2,070
MARINE CORPS AIR STATION KANEOHE BAY		
AIRCRAFT RINSE FACILITY	1,280	
BACHELOR ENLISTED QUARTERS MODERNIZATION	8,800	
COMBAT VEHICLE MAINTENANCE SHOP	6,480	
COMPANY AND BATTERY OPERATIONS CENTER	9,130	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
HAWAII		
NAVY		
MARINE CORPS AIR STATION KANEOHE BAY		
CORROSION CONTROL HANGAR	2,260	
FLIGHT LINE SECURITY IMPROVEMENTS	2,550	
OPERATIONAL TRAINER FACILITY	880	
POWER CHECK PAD	500	
TACTICAL SUPPORT VAN PADS	8,840	
MARINE CORPS AIR STATION KANEOHE BAY		40,720
NAVAL AIR STATION BARBERS POINT		
TACAMO SUPPORT COMPLEX	25,300	
NAVAL AIR STATION BARBERS POINT		25,300
NAVAL COM AREA MASTER STA EASTPAC HONOLULU		
ANTENNA SAFETY IMPROVEMENTS	1,080	
NAVAL COM AREA MASTER STA EASTPAC HONOLULU		1,080
NAVAL MAGAZINE LUALUALEI		
MINE MAINTENANCE FACILITY MODIFICATIONS	860	
MISSILE MAINTENANCE FACILITY	2,850	
SECURITY IMPROVEMENTS	640	
NAVAL MAGAZINE LUALUALEI		4,350
NAVAL STATION PEARL HARBOR		
SEAL TEAM TRAINING AND SUPPORT BUILDING	3,240	
NAVAL STATION PEARL HARBOR		3,240
NAVAL SUBMARINE BASE PEARL HARBOR		
DREDGING	690	
NAVAL SUBMARINE BASE PEARL HARBOR		690
NAVAL SUPPLY CENTER PEARL HARBOR		
COLD STORAGE FACILITY	11,820	
NAVAL SUPPLY CENTER PEARL HARBOR		11,820
NAVY PUBLIC WORKS CENTER PEARL HARBOR		
ELECTRICAL DISTR SYS IMPROVEMENTS (PH 1)	18,200	
MUNICIPAL SEWER CONNECTION	790	
WATER DISTRIBUTION SYSTEM IMPROVEMENTS	6,700	
NAVY PUBLIC WORKS CENTER PEARL HARBOR		25,690
PACIFIC MISSILE RANGE FAC BARKING SANDS		
AIRCRAFT MAINTENANCE HANGAR & SUPPORT FACS	5,900	
RANGE OPERATIONS CENTER ADDITION	2,360	
PACIFIC MISSILE RANGE FAC BARKING SANDS		8,260
**NAVY		123,220
AIR FORCE		
HICKAM AFB		
ADD-ALTER COMMAND CENTER	4,700	
VEHICLE OPERATIONS-MAINTENANCE FACILITY	1,150	
HICKAM AFB		5,850
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
PACIFIC MISSILE RANGE		
INTERMEDIATE BALLISTIC MISSILE LAUNCH CPLX	2,890	
PACIFIC MISSILE RANGE		2,890
DEFENSE LEVEL ACTIVITIES		
PEARL HARBOR		
OCCUPATIONAL HEALTH CLINIC	9,700	
PEARL HARBOR		9,700
AIR NATIONAL GUARD		
BARKING SANDS		
ADD-ALTER COMMUNICATIONS-ELEC TRNG COMPLEX	2,000	
BARKING SANDS		2,000

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
HAWAII		
AIR NATIONAL GUARD		
KEAUKAHA MILITARY RESERVATION		
MOBILITY STORAGE WAREHOUSE	180	
KEAUKAHA MILITARY RESERVATION		180
**AIR NATIONAL GUARD		2,180
**HAWAII		158,740
IDAHO		
AIR FORCE		
MOUNTAIN HOME AFB		
ADD-ALTER VEHICLE MAINTENANCE SHOP	520	
COMBAT SUPPORT CENTER	8,700	
NAVIGATION AIDS COMMUNICATION MAINT SHOP	840	
SOUND SUPPRESSOR SUPPORT	700	
UNACCOMP ENLISTED PERSONNEL HOUSING(OTH-B)	4,000	
MOUNTAIN HOME AFB		14,760
DEFENSE LEVEL ACTIVITIES		
MOUNTAIN HOME AFB		
COMPOSITE MEDICAL FACILITY	30,500	
MOUNTAIN HOME AFB		30,500
ARMY NATIONAL GUARD		
GOWEN FIELD		
TANK COMMANDERS ACADEMY COMPLEX	2,935	
GOWEN FIELD		2,935
AIR NATIONAL GUARD		
BOISE AIRPORT		
AIRMAN DORMITORY	320	
BASE SUPPLY/EQUIPMENT WAREHOUSE	2,600	
DINING HALL	150	
BOISE AIRPORT		3,070
**IDAHO		51,265
ILLINOIS		
ARMY		
SAVANNA ARMY DEPOT		
SECURITY UPGRADE	320	
SAVANNA ARMY DEPOT		320
FORT SHERIDAN		
BARRACKS	2,050	
FORT SHERIDAN		2,050
**ARMY		2,370
NAVY		
NAVAL TRAINING CENTER GREAT LAKES		
FIRE FIGHTING TRAINER	5,300	
NAVAL TRAINING CENTER GREAT LAKES		5,300
AIR FORCE		
CHANUTE AFB		
LIQUID FUELS TRAINING FACILITY	2,600	
WEATHER TRAINING FACILITY	8,700	
CHANUTE AFB		11,300
SCOTT AFB		
ADD-ALTER CONSOLIDATED COMPUTER FACILITY	8,900	
SCOTT AFB		8,900
**AIR FORCE		20,200

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ILLINOIS		
DEF COMMUNICATIONS AGNCY		
SCOTT AFB		
DECCO COMPUTER CENTER/ADMIN FACILITY	7,600	
SCOTT AFB		7,600
ARMY NATIONAL GUARD		
CHICAGO		
OMS MODIFICATIONS	346	
CHICAGO		346
CHICAGO		
ARMORY ALTERATION	1,573	
CHICAGO		1,573
MARSEILLES		
FACILITY ENGR. SHOP & STORAGE BUILDING	208	
MARSEILLES		208
**ARMY NATIONAL GUARD		2,127
AIR NATIONAL GUARD		
CAPITAL MAP		
AIRCRAFT APRON SECURITY LIGHTING	120	
CAPITAL MAP		120
CHICAGO-OHARE IAP		
ANG/AFRES MEDICAL TRAINING FACILITY	800	
CHICAGO-OHARE IAP		800
GREATER PEORIA AIRPORT		
SITE PREPARATION-PHASE I	4,000	
GREATER PEORIA AIRPORT		4,000
**AIR NATIONAL GUARD		4,920
ARMY RESERVE		
JOLIET		
WEEKEND TRAINING SITE/RANGES	4,765	
JOLIET		4,765
NAVY RESERVE		
NAS GLENVIEW		
AVIATION TECHNICAL TRAINING BUILDING	2,200	
KC-130 PARKING APRON	1,900	
OPERATIONAL STORAGE FACILITY RNMCB-25	175	
NAS GLENVIEW		4,275
NRF GREAT LAKES		
ASSAULT CRAFT UNIT MAINT. FACILITY	700	
NRF GREAT LAKES		700
**NAVY RESERVE		4,975
AIR FORCE RESERVE		
CHICAGO-OHARE IAP		
TACTICAL CLINIC (JOINT USE)	750	
CHICAGO-OHARE IAP		750
**ILLINOIS		53,007
INDIANA		
ARMY		
INDIANA ARMY AMMUNITION PLANT		
ACCESS ROADS TO SHIPHOUSES		
(MEMO-NON-ADD)	(260)	

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
                (\$ THOUSANDS)
STATE/COMP./INSTALLATION                          PROJ COST        TOTAL
------------------PROJECT NAME--------------     ----------   ----------
INDIANA
  ARMY
    INDIANA ARMY AMMUNITION PLANT
     MODERNIZE TESTING LABORATORIES
       (MEMO-NON-ADD)                             (1,300)
      INDIANA ARMY AMMUNITION PLANT
       (MEMO-NON-ADD)                                          (1,560)

  NAVY
    NAVAL WEAPONS SUPPORT CENTER CRANE
     FLEET MICROWAVE SUPPORT CENTER                6,880
      NAVAL WEAPONS SUPPORT CENTER CRANE                         6,880

  AIR FORCE
    GRISSOM AFB
     COMBAT ARMS TRAINING/MAINT FACS                 850
     MISSION OPERATIONS FACILITY                   3,000
      GRISSOM AFB                                                3,850

  ARMY NATIONAL GUARD
    CAMP ATTERBURY
     RANGE, RECORD FIRE M-16                         334
      CAMP ATTERBURY                                               334

    VARIOUS LOCATIONS
     ARMORY UNIT STORAGE BUILDINGS                   318
      VARIOUS LOCATIONS                                            318
                                                            ----------
  **ARMY NATIONAL GUARD                                            652

  ARMY RESERVE
    SOUTH BEND
     ADD/ALTER RESERVE CENTER/MAINT FACILITIES     3,511
      SOUTH BEND                                                 3,511

  AIR FORCE RESERVE
    GRISSOM AFB
     AVIONICS/DCM FACILITY (A-10)                  1,800
      GRISSOM AFB                                                1,800
                                                            ----------
**INDIANA                                                       16,693
      (MEMO-NON-ADD)                                           (1,560)


IOWA
  ARMY NATIONAL GUARD
    CAMP DODGE
     RANGE, FIELD FIRE                               257
     REGIONAL MAINTENANCE TNG SITE                   839
     SEWAGE SYSTEM MODIFICATION                      806
      CAMP DODGE                                                 1,902

    VARIOUS LOCATIONS
     ARMORY UNIT STORAGE BUILDINGS                   280
      VARIOUS LOCATIONS                                            280
                                                            ----------
  **ARMY NATIONAL GUARD                                          2,182

  AIR NATIONAL GUARD
    DES MOINES MAP
     LANA POD MAINTENANCE SHOP                       360
      DES MOINES MAP                                               360

  ARMY RESERVE
    OTTUMWA
     LAND ACQUISITION                                 60
      OTTUMWA                                                       60
                                                            ----------
**IOWA                                                           2,602
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ACTIVE, GUARD AND RESERVE FORCES
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KANSAS		
ARMY		
KANSAS ARMY AMMUNITION PLANT		
EMERGENCY LIGHTING & POWER FOR 300 LINE (MEMO-NON-ADD)	(410)	
UPGRADE COAL HANDLING SYSTEM-BUILDING 209 (MEMO-NON-ADD)	(640)	
KANSAS ARMY AMMUNITION PLANT (MEMO-NON-ADD)		(1,050)
FORT LEAVENWORTH		
WATER STORAGE TANK	1,100	
FORT LEAVENWORTH		1,100
FORT RILEY		
BARRACKS MODERNIZATION	6,100	
CHILD DEVELOPMENT CENTER	4,250	
PRIMARY WATER SUPPLY CONNECTION	2,150	
FORT RILEY		12,500
**ARMY		13,600
(MEMO-NON-ADD)		(1,050)
AIR FORCE		
MCCONNELL AFB		
B1B-ADD/ALTER ACFT MAINTENANCE MGMT FAC	1,900	
B1B-ADD/ALTER ACFT MAINTENANCE SHOPS	2,740	
B1B-ADD/ALTER OPERATIONS MAINTENANCE FACS	2,000	
B1B-ADD/ALTER PRECISION MEASUREMENT EQ LAB	500	
B1B-ADD/ALTER SUPPORT EQUIP/STORAGE FAC	1,250	
B1B-AIRFIELD PAVEMENT	2,740	
B1B-ALTER AIRCRAFT MAINT HANGARS	11,970	
B1B-BASE ENGINEER MAINT MANAGEMENT FAC	240	
B1B-BLAST DEFLECTORS	960	
B1B-CASS EQUIPMENT AND INSTALLATION	1,200	
B1B-FLIGHT SIMULATOR TRNG FACILITY	3,660	
B1B-HEAVY EQUIPMENT MAINTENANCE FACILITY	1,050	
B1B-MOBILITY CENTER	1,950	
KC135-HYDRANT FUELING SYSTEM	2,600	
SECURITY IMPROVEMENTS	980	
MCCONNELL AFB		35,740
ARMY NATIONAL GUARD		
JUNCTION CITY		
ARMORY MODIFICATION	353	
JUNCTION CITY		353
NICKELL BARRACKS		
RANGE, RECORD FIRE M-16	291	
NICKELL BARRACKS		291
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	335	
VARIOUS LOCATIONS		335
**ARMY NATIONAL GUARD		979
AIR NATIONAL GUARD		
FORBES FIELD		
ALTER OPERATIONS AND TRAINING FACILITY	172	
FORBES FIELD		172
MCCONNELL AFB		
ADD-ALTER BASE SUPPLY COMPLEX	1,500	
ADDITION TO ENGINE SHOP	500	
MCCONNELL AFB		2,000
**AIR NATIONAL GUARD		2,172

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES   DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KANSAS		
ARMY RESERVE		
KANSAS CITY		
ADD/ALTER ARMY RESERVE CENTER	1,548	
KANSAS CITY		1,548
MANHATTAN		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	1,522	
MANHATTAN		1,522
PARSONS		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	1,534	
PARSONS		1,534

**ARMY RESERVE		4,604

**KANSAS		57,095
(MEMO-NON-ADD)		(1,050)
KENTUCKY		
ARMY		
FORT CAMPBELL		
AIRCRAFT MAINTENANCE HANGAR	16,500	
FUEL PUMPING STATION	240	
VEHICLE WASH FACILITY	4,500	
FORT CAMPBELL		21,240
FORT KNOX		
APPLIED INSTRUCTION FACILITY	3,200	
FORT KNOX		3,200
LEXINGTON-BLUEGRASS DEP ACT		
SECURITY UPGRADE	540	
LEXINGTON-BLUEGRASS DEP ACT		540

**ARMY		24,980
DEFENSE LEVEL ACTIVITIES		
FORT CAMPBELL		
MIDDLE SCHOOL ADDITION	1,340	
FORT CAMPBELL		1,340
FORT KNOX		
ELEMENTARY SCHOOL GYMNASIUMS-SIX	4,350	
FORT KNOX		4,350

**DEFENSE LEVEL ACTIVITIES		5,690

**KENTUCKY		30,670
LOUISIANA		
ARMY		
FORT POLK		
MULTI-PURPOSE TRAINING RANGE	27,000	
FORT POLK		27,000
AIR FORCE		
ENGLAND AFB		
BASE CIVIL ENGINEER ADMINISTRATIVE FAC	2,300	
ENGLAND AFB		2,300
DEFENSE LEVEL ACTIVITIES		
FORT POLK		
TROOP MEDICAL CLINIC	2,650	
FORT POLK		2,650

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
LOUISIANA		
ARMY NATIONAL GUARD		
DELHI		
60 PERSON ARMORY	859	
DELHI		859
FARMERVILLE		
60 PERSON ARMORY	835	
FARMERVILLE		835
MONROE		
ORGANIZATIONAL MAINTENANCE SHOP MODIFICAT.	268	
MONROE		268
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	300	
VARIOUS LOCATIONS		300
VILLE PLATTE		
60 PERSON ARMORY	690	
VILLE PLATTE		690
**ARMY NATIONAL GUARD		2,952
NAVY RESERVE		
NAVAL AIR STATION NEW ORLEANS		
APPROACH LIGHTING SYSTEM RUNWAYS 4 AND 22	2,200	
NAVAL AIR STATION NEW ORLEANS		2,200
NAVAL SUPPORT ACTIVITY NEW ORLEANS		
ADMIN SPACE, BLDG 603-2-C	260	
ISMO/AUDIO VISION	275	
NAVAL SUPPORT ACTIVITY NEW ORLEANS		535
NMCRC NEW ORLEANS		
RESERVE TRAINING BUILDING ALTERATION	700	
NMCRC NEW ORLEANS		700
RNMCB-28 BARKSDALE AFB		
OPERATIONAL STORAGE FACILITY RNMCB-28	175	
RNMCB-28 BARKSDALE AFB		175
**NAVY RESERVE		3,610
AIR FORCE RESERVE		
BARKSDALE AFB		
ALTER AVIONICS/SQUADRON OPERATIONS	1,000	
BARKSDALE AFB		1,000
FAMILY HOUSING		
ARMY		
FORT POLK		
NEW CONSTRUCTION (583)	[37,000]	
FORT POLK FAMILY HOUSING		[37,000]
**LOUISIANA FAMILY HOUSING		39,512 [37,000]
MAINE		
NAVY		
NAVAL AIR STATION BRUNSWICK		
GROUND SUPPORT EQUIPMENT FACILITY	2,160	
OIL SPILL PREVENTION	450	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MAINE		
NAVY		
NAVAL AIR STATION BRUNSWICK		
OPERATIONAL TRAINER FACILITY ADDITION	710	
NAVAL AIR STATION BRUNSWICK		3,320
NAVAL SHIPYARD PORTSMOUTH KITTERY		
ENGINEERING MANAGEMENT BUILDING	10,900	
HAZARDOUS MATERIAL STORAGE & HANDLING FAC	5,100	
LOGISTICS SUPPORT FACILITY ALTERATIONS	980	
REFUELING CRANE	6,190	
NAVAL SHIPYARD PORTSMOUTH KITTERY		23,170
**NAVY		26,490
AIR FORCE		
BANGOR		
PHYSICAL FITNESS FACILITY	1,250	
BANGOR		1,250
LORING AFB		
AIRCRAFT APRON-REFUELING SYSTEM-PH I	12,200	
ALTER WEAPONS STORAGE AREA	1,300	
LORING AFB		13,500
**AIR FORCE		14,750
ARMY NATIONAL GUARD		
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	503	
VARIOUS LOCATIONS		503
ARMY RESERVE		
SACO		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	1,129	
SACO		1,129
NAVY RESERVE		
RNMCB-27 NAVAL AIR STATION BRUNSWICK		
OPERATIONAL STORAGE FACILITY RNMCB-27	175	
RNMCB-27 NAVAL AIR STATION BRUNSWICK		175
**MAINE		43,047
MARYLAND		
ARMY		
ABERDEEN PROVING GROUND		
APPLIED INSTRUCTION BUILDING	23,000	
BARRACKS COMPLEX	19,000	
CONDENSATE RETURN	750	
ABERDEEN PROVING GROUND		42,750
HARRY DIAMOND LAB		
COMPUTER LABORATORY ADDITION	680	
HARRY DIAMOND LAB		680
**ARMY		43,430
NAVY		
NAVAL ACADEMY ANNAPOLIS		
EDUCATIONAL COMPUTER CENTER	2,260	
FIRE STATION	400	
NAVAL ACADEMY ANNAPOLIS		2,660
NAVAL AIR TEST CENTER PATUXENT RIVER		
AIRCRAFT TEST AND EVALUATION FACILITY	13,300	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHO[illegible]Y AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES   DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MARYLAND		
NAVY		
NAVAL AIR TEST CENTER PATUXENT RIVER		
LANDING SYSTEM TEST FACILITY	4,030	
MUNICIPAL SEWER CONNECTION	1,360	
STEAM AND CONDENSATE SYSTEMS	2,450	
NAVAL AIR TEST CENTER PATUXENT RIVER		21,140
NAVAL ORDNANCE STATION INDIAN HEAD		
OIL SPILL PREVENTION	500	
PROPELLANT FACILITIES UPGRADE	3,680	
NAVAL ORDNANCE STATION INDIAN HEAD		4,180

**NAVY		27,980
AIR FORCE		
ANDREWS AFB		
AF ONE MAINT AND SUPPORT COMPLEX	45,000	
ECIP-ALTER LIGHTING SYSTEMS	430	
ANDREWS AFB		45,430
DEFENSE LEVEL ACTIVITIES		
ANDREWS AFB		
ALTER MEDICAL CENTER CLINIC ANNEX	2,000	
ANDREWS AFB		2,000
USUHS BETHESDA		
MEDICAL STORAGE FACILITY	900	
USUHS BETHESDA		900

**DEFENSE LEVEL ACTIVITIES		2,900
NATIONAL SECURITY AGENCY		
FORT MEADE		
CONNECTOR ROAD	5,200	
R&D FACILITY	53,700	
ROAD IMPROVEMENTS	4,370	
FORT MEADE		63,270
DEFENSE NUCLEAR AGENCY		
BETHESDA NAVAL HOSPITAL		
RESEARCH SUPPORT BUILDING	790	
BETHESDA NAVAL HOSPITAL		790
ARMY NATIONAL GUARD		
EDGEWOOD		
400 PERSON ARMORY	5,723	
EDGEWOOD		5,723
AIR NATIONAL GUARD		
ANDREWS AFB		
ALTER AIRCRAFT MAINTENANCE SHOP	300	
ANDREWS AFB		300
AIR FORCE RESERVE		
ANDREWS AFB		
ALTER BLDG FOR MOBILE AERIAL PORT SQUADRON	110	
ALTER FIRE PROTECTION SYSTEM HANGAR TEN	300	
ALTER FUEL SYSTEM DOCK	160	
ANDREWS AFB		570
FAMILY HOUSING		
ARMY		
ABERDEEN PROVING GROUND		
NEW CONSTRUCTION (140)	[9,700]	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ($ THOUSANDS) — DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MARYLAND		
ARMY		
ABERDEEN PROVING GROUND		
NEW CONSTRUCTION (70)	[1,100]	
ABERDEEN PROVING GROUND FAMILY HOUSING		[10,800]
**MARYLAND		190,393
FAMILY HOUSING		[10,800]
MASSACHUSETTS		
ARMY		
FORT DEVENS		
ACADEMIC INSTRUCTION FACILITY	6,800	
ACADEMIC INSTRUCTION FACILITY	9,500	
BARRACKS MODERNIZATION	4,500	
FORT DEVENS		20,800
AIR FORCE		
CAPE COD		
ALTER POWER PLANT	4,300	
CAPE COD		4,300
HANSCOM AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,700	
ALTER UNACCOMP OFFICER PERSONNEL HOUSING	1,300	
HANSCOM AFB		4,000
**AIR FORCE		8,300
ARMY NATIONAL GUARD		
CAMP CURTIS GUILD (READING)		
ORGANIZATIONAL MAINTENANCE SHOP	543	
CAMP CURTIS GUILD (READING)		543
AIR NATIONAL GUARD		
OTIS ANGB		
ALTER AIRCRAFT ENGINE SHOP	210	
ALTER AVIONICS/PMEL FACILITY	3,000	
OTIS ANGB		3,210
ARMY RESERVE		
DEVENS		
EQUIPMENT CONCENTRATION SITE	360	
DEVENS		360
AIR FORCE RESERVE		
WESTOVER AFB		
ALTER SQUADRON OPERATIONS	1,250	
APRON, TAXIWAY/HYDRANT FUELING SYSTEM	13,730	
CONSTRUCT FIRE STATION	1,800	
UPGRADE HANGAR	6,505	
UPGRADE HYDRANT REFUELING SYSTEM	1,000	
WESTOVER AFB		24,285
**MASSACHUSETTS		57,498
MICHIGAN		
ARMY		
DETROIT ARSENAL		
CHILD DEVELOPMENT CENTER	1,350	
DETROIT ARSENAL		1,350
AIR FORCE		
KI SAWYER AFB		
ADD-ALTER COMBAT ARMS TRNG/MAINT FACS	740	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ($ THOUSANDS) — DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MICHIGAN		
AIR FORCE		
KI SAWYER AFB		
SECURITY IMPROVEMENTS	990	
KI SAWYER AFB		1,730
WURTSMITH AFB		
B52-ADD TO AIRCRAFT PARKING APRON	4,450	
B52-ADD TO HYDRANT REFUELING WITH CASS	1,500	
B52-ADD/ALTER ALERT ACFT PARKING AREA	2,700	
B52-ADD/ALTER ALERT CREW FACILITY	1,900	
ECIP-BOILER IMPROVEMENTS	320	
SECURITY IMPROVEMENTS	870	
WURTSMITH AFB		11,740
**AIR FORCE		13,470
ARMY NATIONAL GUARD		
AUGUSTA		
RANGE, M60 TRANSITION	180	
AUGUSTA		180
CAMP GRAYLING		
AUTOMATED FIELD FIRE RANGE	553	
AUTOMATED RECORD FIRE RANGE	665	
CAMP GRAYLING		1,218
DEARBORN		
ORGANIZATIONAL MAINTENANCE SHOP	297	
DEARBORN		297
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	245	
VARIOUS LOCATIONS		245
**ARMY NATIONAL GUARD		1,940
ARMY RESERVE		
KALAMAZOO		
LAND ACQUISITION	110	
KALAMAZOO		110
SAGINAW		
ARMED FORCES RESERVE CENTER	3,070	
SAGINAW		3,070
**ARMY RESERVE		3,180
NAVY RESERVE		
AFRC SAGINAW		
RESERVE TRAINING BUILDING	3,600	
AFRC SAGINAW		3,600
RNMCB-26 DETROIT		
OPERATIONAL STORAGE FACILITY RNMCB-26	175	
RNMCB-26 DETROIT		175
**NAVY RESERVE		3,775
AIR FORCE RESERVE		
SELFRIDGE ANGB		
SURVIVAL EQUIPMENT SHOP	800	
SELFRIDGE ANGB		800
**MICHIGAN		24,515
MINNESOTA		
ARMY NATIONAL GUARD		
ALBERT LEA		
100 PERSON ARMORY	843	
ALBERT LEA		843

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST	TOTAL
MINNESOTA		
ARMY NATIONAL GUARD		
CAMP RIPLEY		
TNG FACIL - A/A TRACKING & LIVE FIRE RANGE	592	
TROOP ISSUE SUBSISTANCE ACTIVITY	3,031	
CAMP RIPLEY		3,623
DETROIT LAKES		
ORGANIZATIONAL MAINTENANCE SHOP ADD/ALT	374	
DETROIT LAKES		374
MOOREHEAD		
200 PERSON ARMORY	1,331	
MOOREHEAD		1,331
WILLMAR		
ORGANIZATIONAL MAINTENANCE SHOP MODIFICAT.	226	
WILLMAR		226

**ARMY NATIONAL GUARD		6,397
ARMY RESERVE		
ST CLOUD		
LAND ACQUISITION	255	
ST CLOUD		255
NAVY RESERVE		
RNCFSU-4 ST PAUL INTERNATIONAL AIRPORT		
PERMANENT DRILL SITE RNCFSU-4	390	
RNCFSU-4 ST PAUL INTERNATIONAL AIRPORT		390

**MINNESOTA		7,042
MISSISSIPPI		
NAVY		
NAVAL AIR STATION MERIDIAN		
AIRFIELD PAVEMENTS	3,170	
FACILITY ENERGY IMPROVEMENTS	650	
GAS GENERATING PLANT	590	
PHYSICAL SECURITY IMPROVEMENTS	250	
NAVAL AIR STATION MERIDIAN		4,660
NAVAL CONSTRUCTION BATTALION CTR GULFPORT		
CONTROLLED HUMIDITY STORAGE FACILITIES	14,200	
DATA PROCESSING CENTER	690	
FACILITY ENERGY IMPROVEMENTS	400	
SEABEE BATTALION OPERATIONS FACILITY	1,670	
SECURITY BUILDING	690	
NAVAL CONSTRUCTION BATTALION CTR GULFPORT		17,650
NAVAL CONSTRUCTION TRAINING CTR GULFPORT		
SEABEES INSTRUCTION BUILDING	1,180	
NAVAL CONSTRUCTION TRAINING CTR GULFPORT		1,180
SUPERVISOR OF SHIP BUILDING PASCAGOULA		
LAND ACQUISITION & BUILDING MODERNIZATION	4,120	
SUPERVISOR OF SHIP BUILDING PASCAGOULA		4,120

**NAVY		27,610
AIR FORCE		
KEESLER AFB		
DEFENSE ACCESS ROAD	3,200	
ECIP-FACILITY ENERGY IMPROVEMENTS	1,970	
KEESLER AFB		5,170

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MISSISSIPPI		
DEFENSE LEVEL ACTIVITIES		
KEESLER AFB		
ADD/ALTER RADIOLOGY LINER ACCELERATOR	3,100	
KEESLER AFB		3,100
ARMY NATIONAL GUARD		
CAMP SHELBY		
REGIONAL MAINTENANCE TNG SITE	1,214	
CAMP SHELBY		1,214
AIR NATIONAL GUARD		
ALLEN C THOMPSON FIELD		
ADD-ALTER ENGINE/AVIONICS SHOPS	1,300	
ALLEN C THOMPSON FIELD		1,300
GULFPORT		
JET FUEL STORAGE COMPLEX	4,250	
GULFPORT		4,250
**AIR NATIONAL GUARD		5,550
**MISSISSIPPI		42,644
MISSOURI		
ARMY		
LAKE CITY AAP		
CONSTRUCT 2 WATER WELLS		
(MEMO-NON-ADD)	(370)	
LAKE CITY AAP		
(MEMO-NON-ADD)		(370)
FORT LEONARD WOOD		
APPLIED INSTRUCTION FACILITY	16,000	
ENGINEER SCHOOL/POST HEADQUARTERS BUILDING	14,000	
UNACCOMPANIED OFFICERS HOUSING	13,200	
FORT LEONARD WOOD		43,200
**ARMY		43,200
(MEMO-NON-ADD)		(370)
AIR FORCE		
WHITEMAN AFB		
ALTER ELECTRICAL DISTRIBUTION SYSTEM	9,500	
COLD STORAGE FACILITY	1,200	
WHITEMAN AFB		10,700
DEFENSE MAPPING AGENCY		
DMA AEROSPACE CENTER		
DIGITAL PRODUCTION FACILITIES	16,700	
DMA AEROSPACE CENTER		16,700
ARMY NATIONAL GUARD		
CAMP CLARK		
RANGE, COMBAT PISTOL	105	
CAMP CLARK		105
FORT CROWDER		
CLASSROOMS, MILITARY	123	
RANGE COMBAT PISTOL	105	
RANGE, RECORD FIRE	231	
FORT CROWDER		459
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	343	
VARIOUS LOCATIONS		343
**ARMY NATIONAL GUARD		907

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
MISSOURI		
AIR NATIONAL GUARD		
ROSECRANS MEMORIAL AIRPORT		
ADD TO SUPPORT EQUIPMENT SHOP	180	
ADDITION TO SQUADRON OPERATIONS	1,200	
ROSECRANS MEMORIAL AIRPORT		1,380
ST LOUIS-LAMBERT FIELD		
MOBILITY STORAGE WAREHOUSE	350	
ST LOUIS-LAMBERT FIELD		350
**AIR NATIONAL GUARD		1,730
NAVY RESERVE		
RNMCB-15 RICHARDS GEBAUR AFB		
OPERATIONAL STORAGE FACILITY RNMCB-15	175	
RNMCB-15 RICHARDS GEBAUR AFB		175
**MISSOURI		73,412
(MEMO-NON-ADD)		(370)
MONTANA		
AIR FORCE		
MALMSTROM AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	3,800	
MALMSTROM AFB		3,800
ARMY NATIONAL GUARD		
BILLINGS		
ORGANIZATIONAL MAINTENANCE SHOP	410	
RANGE, MULTI-PURPOSE INDOOR	315	
BILLINGS		725
GLENDIVE		
RANGE, MULTI-PURPOSE INDOOR	315	
GLENDIVE		315
LIMESTONE HILLS		
RANGE SUPPORT FACILITY	192	
LIMESTONE HILLS		192
**ARMY NATIONAL GUARD		1,232
AIR NATIONAL GUARD		
GREAT FALLS IAP		
SPECIAL FUELS FACILITY	190	
GREAT FALLS IAP		190
**MONTANA		5,222
NEBRASKA		
AIR FORCE		
OFFUTT AFB		
ADD TO COMBAT ARMS TRAINING/MAINT FACS	520	
ADD-ALTER STRATEGIC COMM DIVISION HQ FAC	2,470	
ECIP-FACILITY ENERGY IMPROVEMENTS	2,680	
ELECTRICAL SUBSTATION	4,450	
SECURITY IMPROVEMENTS	2,500	
STRATEGIC ANALYSIS AND APPLICATIONS CTR	12,350	
OFFUTT AFB		24,970
ARMY NATIONAL GUARD		
GERING		
ORGANIZATIONAL MAINTENANCE SHOP	135	
GERING		135

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NEBRASKA		
ARMY NATIONAL GUARD		
HASTINGS		
RANGE, FIELD FIRE	127	
RANGE, TANK TABLE VIIC	129	
UNIT TRAINING EQUIPMENT SITE	581	
HASTINGS		837
LINCOLN		
U.S. PROPERTY & FISCAL OFFICE ADDITION	242	
LINCOLN		242
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	283	
VARIOUS LOCATIONS		283
**ARMY NATIONAL GUARD		1,497
AIR NATIONAL GUARD		
LINCOLN MAP		
ADD-ALTER FLIGHTLINE MAINTENANCE SHOP	160	
LINCOLN MAP		160
**NEBRASKA		26,627
NEVADA		
ARMY		
HAWTHORNE AAP		
AMMUNITION SURVEILLANCE FACILITY	7,000	
HAWTHORNE AAP		7,000
NAVY		
NAVAL AIR STATION FALLON		
ELECTRONIC WARFARE RANGE IMPROVEMENTS	11,800	
LAND ACQUISITION	6,400	
PARALLEL RUNWAY	17,000	
NAVAL AIR STATION FALLON		35,200
AIR FORCE		
INDIAN SPRINGS		
CONTROL TOWER	1,700	
INDIAN SPRINGS		1,700
NELLIS AFB		
BASE CIVIL ENGINEERING COMPLEX-PHASE I	7,700	
COMBAT SUPPORT CENTER	6,200	
DINING HALL	2,600	
PARALLEL TAXIWAY/LAND ACQUISITION	7,300	
NELLIS AFB		23,800
**AIR FORCE		25,500
NAVY RESERVE		
AFRC LAS VEGAS		
RESERVE CENTER ADDITION	1,000	
AFRC LAS VEGAS		1,000
**NEVADA		68,700
NEW HAMPSHIRE		
AIR FORCE		
PEASE AFB		
ADD-ALTER AVIONICS MAINTENANCE SHOP	1,150	
ADD-ALTER COMBAT ARMS TRAINING/MAINT FAC	1,050	
PEASE AFB		2,200

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

         ACTIVE, GUARD AND RESERVE FORCES        DATA AS OF 04 FEB 1986
             INSIDE THE UNITED STATES
                   ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST       TOTAL
------------------PROJECT NAME--------------         ----------  ----------
NEW HAMPSHIRE
  ARMY NATIONAL GUARD
    VARIOUS LOCATIONS
     ARMORY UNIT STORAGE BUILDINGS                          460
      VARIOUS LOCATIONS                                                 460
                                                                 ----------
**NEW HAMPSHIRE                                                       2,660


NEW JERSEY
  ARMY
    FORT MONMOUTH
     BARRACKS MODERNIZATION                               4,900
      FORT MONMOUTH                                                   4,900

  NAVY
    NAVAL WEAPONS STATION EARLE
     AMMUNITION PIER AND TRESTLE                         52,500
     FLEET SUPPORT FACILITIES                             1,960
     SECURITY TOWER                                         300
      NAVAL WEAPONS STATION EARLE                                    54,760

  AIR FORCE
    MCGUIRE AFB
     ADD-ALTER BASE CIVIL ENGINEERING COMPLEX             5,700
     ALTER UNACCOMP ENLISTED PERSONNEL HOUSING            7,000
     SATELLITE COMMUNICATIONS GROUND TERMINAL               895
      MCGUIRE AFB                                                    13,595

  DEFENSE LEVEL ACTIVITIES
    MCGUIRE AFB
     DENTAL CLINIC                                        3,800
      MCGUIRE AFB                                                     3,800

  ARMY NATIONAL GUARD
    RED BANK
     ORGANIZATIONAL MAINTENANCE SHOP MODIFICAT.             211
      RED BANK                                                          211

    SEA GIRT
     BAFFLED RANGES                                         567
      SEA GIRT                                                          567

    VINELAND
     ORGANIZATIONAL MAINTENANCE SHOP MODIFICAT.             183
      VINELAND                                                          183
                                                                 ----------
 **ARMY NATIONAL GUARD                                                  961

  AIR NATIONAL GUARD
    ATLANTIC CITY
     ADD-ALTER FUEL CELL MAINTENANCE HANGAR                 350
     AVIONICS SHOP                                        2,060
     COMPOSITE AIRCRAFT MAINTENANCE COMPLEX               3,600
      ATLANTIC CITY                                                   6,010

    MCGUIRE AFB
     BASE SUPPLY WAREHOUSE                                3,000
     MUNITIONS MAINTENANCE AND STORAGE FAC                1,200
      MCGUIRE AFB                                                     4,200
                                                                 ----------
 **AIR NATIONAL GUARD                                                10,210

  NAVY RESERVE
    RNMCB-21 LAKEHURST
     OPERATIONAL STORAGE FACILITY RNMCB-21                  175
      RNMCB-21 LAKEHURST                                                175
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

        ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
              INSIDE THE UNITED STATES
                   ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST        TOTAL
------------------PROJECT NAME--------------        ----------   ----------
NEW JERSEY
***FAMILY HOUSING***
  AIR FORCE
    MCGUIRE AFB
      HOUSING MANAGEMENT OFFICE                         [325]
        MCGUIRE AFB
          FAMILY HOUSING                                                [325]
                                                                 ----------
**NEW JERSEY                                                         88,401
          FAMILY HOUSING                                              [325]


NEW MEXICO
  ARMY
    FORT WINGATE
      SECURITY UPGRADE                                    350
        FORT WINGATE                                                    350

  AIR FORCE
    HOLLOMAN AFB
      LAND ACQUISITION                                  2,150
      RATSCAT MODERNIZATION-PHASE II                    4,160
      SATELLITE COMMUNICATIONS SYSTEMS SECURITY           600
      TACTICAL OPERATIONS CENTER                        3,350
      UNACCOMPANIED ENLISTED PERSONNEL HOUSING          4,500
        HOLLOMAN AFB                                                 14,760

    KIRTLAND AFB
      ALTER MAINTENANCE HANGAR                          1,300
      COMMUNICATIONS DUCT SYSTEM                        1,800
      OPTICS AND BEAM CONTROL LABORATORY                8,700
        KIRTLAND AFB                                                 11,800
                                                                 ----------
  **AIR FORCE                                                        26,560

  STRATEGIC DEFENSE INITIATIVE ORGANIZATION
    WHITE SANDS MISSILE RANGE
      HIGH ENDO DEFENSE INTERCEPTOR LAUNCH CMPLX        1,930
        WHITE SANDS MISSILE RANGE                                     1,930

  DEFENSE LEVEL ACTIVITIES
    KIRTLAND AFB
      ADD/ALTER COMPOSITE MEDICAL FACILITY             25,550
        KIRTLAND AFB                                                 25,550

  DEFENSE NUCLEAR AGENCY
    KIRKLAND AFB
      POWER UPGRADE BUILDING NBR 20676                    900
        KIRKLAND AFB                                                    900

  ARMY NATIONAL GUARD
    VARIOUS LOCATIONS
      ARMORY UNIT STORAGE BUILDINGS                       209
        VARIOUS LOCATIONS                                               209

  AIR NATIONAL GUARD
    KIRTLAND AFB
      LANA POD MAINTENANCE SHOP                           360
        KIRTLAND AFB                                                    360
                                                                 ----------
**NEW MEXICO                                                         55,859


NEW YORK
  ARMY
    FORT DRUM
      10TH MOUNTAIN DIVISION FACILITIES - PH I        232,000
        FORT DRUM                                                   232,000
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NEW YORK		
ARMY		
SENECA ARMY DEPOT		
SECURITY LIGHTING	1,100	
SENECA ARMY DEPOT		1,100
U S MILITARY ACADEMY		
ACADEMIC FACILITY MODERNIZATION	15,500	
ACADEMIC FACILITY MODERNIZATION PHASE II	13,000	
*GENERAL INSTRUCTION BUILDING	7,400	
U S MILITARY ACADEMY		35,900
AUTHORIZED IN PRIOR YEAR		(7,400)
**ARMY		269,000
AUTHORIZED IN PRIOR YEAR		(7,400)
NAVY		
NAVAL STATION NEW YORK		
BATTLESHIP SUPPORT COMPLEX (INCREMENT II)	62,200	
NAVAL STATION NEW YORK		62,200
AIR FORCE		
GRIFFISS AFB		
SECURITY IMPROVEMENTS	1,150	
T9-NOISE SUPPRESSOR SUPPORT FACILITY	440	
GRIFFISS AFB		1,590
PLATTSBURGH AFB		
ADD-ALTER VEHICLE MAINTENANCE SHOP	3,200	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	3,000	
COMBAT ARMS TRAINING/MAINT FACS	1,250	
KC135-COCKPIT PROCEDURES TRAINER SIM FAC	760	
SECURITY IMPROVEMENTS	1,400	
PLATTSBURGH AFB		9,610
**AIR FORCE		11,200
DEFENSE LEVEL ACTIVITIES		
GOVERNORS ISLAND		
ELEM/JR HIGH SCHOOL ADDITION/ROOF REPAIR	2,600	
GOVERNORS ISLAND		2,600
ARMY NATIONAL GUARD		
DRYDEN		
200 PERSON ARMORY	1,670	
DRYDEN		1,670
GUILDERLAND		
TRAINING FACILITIES, PHASE II	305	
GUILDERLAND		305
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	775	
VARIOUS LOCATIONS		775
**ARMY NATIONAL GUARD		2,750
AIR NATIONAL GUARD		
HANCOCK FIELD		
MOBILITY STORAGE WAREHOUSE	170	
HANCOCK FIELD		170
STEWART AIRPORT		
COMPOSITE MAINT FAC/SUPPLY COMPLEX	10,150	
STEWART AIRPORT		10,150
**AIR NATIONAL GUARD		10,320

* AUTHORIZED IN PRIOR YEAR

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

        ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
            INSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION                                PROJ COST        TOTAL
-----------------------PROJECT NAME----------------    ----------   ----------
NEW YORK
  ARMY RESERVE
    NEWBURGH
      ARMY RESERVE CENTER/MAINT FACILITIES                  5,485
        NEWBURGH                                                          5,485

    SCHENECTADY
      MAINT ACTIVITY/KITCHEN ADDITION                         165
        SCHENECTADY                                                         165
                                                                     ----------
  **ARMY RESERVE                                                          5,650

  NAVY RESERVE
    RNCFSU-1 SYRACUSE
      PERMANENT DRILL SITE RNCFSU-1                           390
        RNCFSU-1 SYRACUSE                                                   390

    RNMCB-13 PEEKSKILL
      OPERATIONAL STORAGE FACILITY RNMCB-13                   175
        RNMCB-13 PEEKSKILL                                                  175
                                                                     ----------
  **NAVY RESERVE                                                            565

***FAMILY HOUSING***

  ARMY
    FORT DRUM
      NEW CONSTRUCTION (1200)                             [91,000]
        FORT DRUM
          FAMILY HOUSING                                                [91,000]

    SENECA ARMY DEPOT
      NEW CONSTRUCTION (30)                                [2,900]
        SENECA ARMY DEPOT
          FAMILY HOUSING                                                 [2,900]
                                                                     ----------
  **ARMY
          FAMILY HOUSING                                                [93,900]

  NAVY
    NAVAL STATION NEW YORK
      NEW CONSTRUCTION (300)                              [28,330]
        NAVAL STATION NEW YORK
          FAMILY HOUSING                                                [28,330]
                                                                     ----------
**NEW YORK                                                              364,265
          AUTHORIZED IN PRIOR YEAR                                      (7,400)
          FAMILY HOUSING                                               [122,230]


NORTH CAROLINA
  ARMY
    FORT BRAGG
      AERIAL GUNNERY RANGE                                  2,350
      FLIGHT SIMULATOR BUILDING                             1,300
      OPERATIONS COMPLEX PHASE II                           5,200
      RANGE COMPLEX                                         1,050
      SPECIAL FORCES MISSION SUPPORT FACILITY               6,500
      TACTICAL EQUIPMENT SHOP                               8,200
        FORT BRAGG                                                       24,600

    SUNNY POINT ARMY TERM
      PROVOST MARSHAL FACILITY                                650
        SUNNY POINT ARMY TERM                                               650
                                                                     ----------
  **ARMY                                                                 25,250
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

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STATE/COMP /INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NORTH CAROLINA		
NAVY		
MARINE CORPS AIR STATION CHERRY POINT		
AIRCRAFT RINSE FACILITY	500	
LAND ACQUISITION	1,370	
OPERATIONAL TRAINER FACILITY ADDITION	980	
REFUELING VEHICLE MAINTENANCE SHOPS	2,060	
TACTICAL AIR COMBAT TRAINING FACILITY	3,730	
TROOP AND CARGO STAGING FACILITY	6,870	
MARINE CORPS AIR STATION CHERRY POINT		15,510
MARINE CORPS AIR STATION NEW RIVER		
BACHELOR ENLISTED QUARTERS	4,900	
GROUP OPERATIONS FACILITY	980	
MAINTENANCE HANGAR MODERNIZATIONS	15,120	
ROAD IMPROVEMENTS	710	
MARINE CORPS AIR STATION NEW RIVER		21,710
MARINE CORPS BASE CAMP LEJUENE		
BACHELOR ENLISTED QUARTERS	17,700	
BATTALION OPERATIONS FACILITY	3,250	
COMBAT VEHICLE MAINTENANCE SHOP	2,850	
ELECTRONICS & COMMUNICATIONS MAINT SHOP	4,510	
FIELD MAINTENANCE COMPLEX	5,900	
MESS HALL	4,810	
MARINE CORPS BASE CAMP LEJUENE		39,120
NAVAL AIR REWORK FACILITY CHERRY POINT		
AIRCRAFT ENGINE BLADE REWORK FACILITY	15,600	
AIRCRAFT REWORK FACILITY	21,600	
NAVAL AIR REWORK FACILITY CHERRY POINT		37,200
NAVAL HOSPITAL CAMP LEJUENE		
BACHELOR ENLISTED QUARTERS	1,670	
NAVAL HOSPITAL CAMP LEJUENE		1,670
**NAVY		115,210
AIR FORCE		
POPE AFB		
MUNITIONS STORAGE COMPLEX	1,100	
UPGRADE CENTRAL HEATING PLANTS	2,300	
POPE AFB		3,400
SEYMOUR JOHNSON AFB		
AIRCRAFT MAINTENANCE SUPPLY WAREHOUSE	2,100	
SOUND SUPPRESSOR SUPPORT	660	
SEYMOUR JOHNSON AFB		2,760
**AIR FORCE		6,160
DEFENSE LEVEL ACTIVITIES		
CAMP LEJEUNE		
MEDICAL AND DENTAL CLINIC	3,900	
TARAWA TERR/STONE ST/DELALIP ELEM ADDITION	1,190	
CAMP LEJEUNE		5,090
ARMY NATIONAL GUARD		
FORT BRAGG		
REGIONAL MAINTENANCE TNG SITE	1,211	
FORT BRAGG		1,211
MORRISVILLE		
400 PERSON ARMORY	2,061	
ARMY AVIATION SUPPORT FACILITY	3,698	
MORRISVILLE		5,759

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NORTH CAROLINA		
ARMY NATIONAL GUARD		
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	475	
VARIOUS LOCATIONS		475
**ARMY NATIONAL GUARD		7,445
ARMY RESERVE		
FORT BRAGG		
EQUIPMENT CONCENTRATION SITE/MAINT FAC	2,946	
FORT BRAGG		2,946
DURHAM		
LAND ACQUISITION	90	
DURHAM		90
STATESVILLE		
LAND ACQUISITION	35	
STATESVILLE		35
**ARMY RESERVE		3,071
FAMILY HOUSING		
NAVY		
MARINE CORPS BASE CAMP LEJEUNE		
TRAILER PADS (075)	[930]	
MARINE CORPS BASE CAMP LEJEUNE FAMILY HOUSING		[930]
AIR FORCE		
POPE AFB		
HOUSING MANAGEMENT OFFICE	[300]	
POPE AFB FAMILY HOUSING		[300]
**NORTH CAROLINA		162,226
FAMILY HOUSING		[1,230]
NORTH DAKOTA		
AIR FORCE		
CAVALIER		
ADD-ALTER COOLING SYSTEM	1,120	
ALTER SATCOM GROUND TERMINAL	1,700	
CAVALIER		2,820
GRAND FORKS AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,100	
B1B-ADD/ALTER VARIOUS MAINTENANCE FACS	1,700	
B1B-ALTER FLIGHT SIMULATOR TRAINING FAC	1,100	
B1B-ALTER INTEGRATED MAINTENANCE FACILITY	550	
B1B-BLAST DEFLECTORS	1,750	
B1B-CASS EQUIPMENT AND INSTALLATION	3,000	
B1B-CROSSOVER TAXIWAY	2,400	
B1B-JET ENGINE STORAGE FACILITY	430	
B1B-SECONDARY FIRE STATION	330	
B1B-SUPPORT EQUIP AND STORAGE FACILITY	3,150	
B1B-TRACTOR/TRAILER STORAGE FACILITIES	930	
COMBAT ARMS TRAINING/MAINT FACS	1,500	
ELEVATED WATER STORAGE TANK	680	
KC135-COCKPIT PROCEDURES TRAINER SIM FAC	780	
SECURITY IMPROVEMENTS	730	
GRAND FORKS AFB		23,130
MINOT AFB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,650	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NORTH DAKOTA		
AIR FORCE		
MINOT AFB		
CM-ADD/ALTER MUNITIONS MAINTENANCE SHOP	1,700	
CM-MUNITIONS UPLOAD TRAINING FACILITY	8,300	
CM-UNARMED WEAPONS STORAGE FACILITY	1,100	
CM-UPGRADE WEAPONS STORAGE AREA	2,100	
CM-WEAPONS CONVOY ROADS	710	
CM-WEAPONS STORAGE IGLOOS	11,100	
COMBAT ARMS TRAINING/MAINT FACS	1,250	
ECIP-ALTER HEATING SYSTEMS	250	
KC135-COCKPIT PROCEDURES TRAINER SIM FAC	890	
SECURITY IMPROVEMENTS	1,050	
MINOT AFB		33,100

**AIR FORCE		59,050
ARMY NATIONAL GUARD		
BISMARCK		
400 PERSON ARMORY	5,295	
BISMARCK		5,295

**NORTH DAKOTA		64,345
OHIO		
AIR FORCE		
NEWARK AFS		
RADIAC LABORATORY	3,000	
NEWARK AFS		3,000
WRIGHT-PATTERSON AFB		
ACCESS ROAD	15,000	
ADD-ALTER ACFT FIRE PROT/EXPL RESEARCH LAB	2,850	
ADD-ALTER BIOCOMMUNICATIONS LABORATORY	7,400	
AIRCRAFT SUPPORT EQUIPMENT FACILITY	3,300	
HANGAR FIRE PROTECTION SYSTEM	2,350	
ROAD	3,600	
WRIGHT-PATTERSON AFB		34,500

**AIR FORCE		37,500
DEFENSE LOGISTICS AGENCY		
DEFENSE CONSTRUCTION SUPPLY CENTER		
IMPROVE LIGHTING	580	
IMPROVE WAREHOUSE FACILITIES	280	
DEFENSE CONSTRUCTION SUPPLY CENTER		860
ARMY NATIONAL GUARD		
LIMA		
ORGANIZATIONAL MAINTENANCE SHOP	324	
LIMA		324
PIQUA		
ORGANIZATIONAL MAINTENANCE SHOP	312	
PIQUA		312
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	500	
VARIOUS LOCATIONS		500

**ARMY NATIONAL GUARD		1,136
AIR NATIONAL GUARD		
RICKENBACKER ANGB		
ALTER AGE MAINTENANCE SHOP	160	
RICKENBACKER ANGB		160

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OHIO		
AIR NATIONAL GUARD		
SPRINGFIELD MAP		
WATER AND SEWER LINES	1,100	
SPRINGFIELD MAP		1,100
TOLEDO EXPRESS AIRPORT		
ADD TO FIRE STATION	250	
TOLEDO EXPRESS AIRPORT		250
**AIR NATIONAL GUARD		1,510
NAVY RESERVE		
NMCRC YOUNGSTOWN		
RESERVE TRAINING BUILDING	3,600	
NMCRC YOUNGSTOWN		3,600
RNMCB-20 COLUMBUS		
OPERATIONAL STORAGE FACILITY RNMCB-20	175	
RNMCB-20 COLUMBUS		175
**NAVY RESERVE		3,775
AIR FORCE RESERVE		
WRIGHT-PATTERSON AFB		
ALTER 401ST CLSS FACILITY	200	
WRIGHT-PATTERSON AFB		200
YOUNGSTOWN MAP		
ADD-ALTER SQUADRON OPERATIONS	340	
YOUNGSTOWN MAP		340
**AIR FORCE RESERVE		540
**OHIO		45,321
OKLAHOMA		
ARMY		
FORT SILL		
VEHICLE WASH FACILITY	3,050	
FORT SILL		3,050
AIR FORCE		
ALTUS AFB		
LAND ACQUISITION	310	
ALTUS AFB		310
TINKER AFB		
ADD-ALTER ENGINE TUBING/ACCESSORY SHOP	1,650	
ADD-ALTER HAZARDOUS STORAGE FACILITY	1,800	
ADD-ALTER HEAT TREATMENT FACILITY	2,300	
AIRCRAFT MAINTENANCE HANGAR	15,000	
ALTER F-107 ENGINE FACILITY	1,350	
WAREHOUSE	10,800	
TINKER AFB		32,900
**AIR FORCE		33,210
ARMY NATIONAL GUARD		
CAMP GRUBER		
RANGE, LT ANTI-ARMOR WEAPONS	147	
CAMP GRUBER		147
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	410	
VARIOUS LOCATIONS		410
**ARMY NATIONAL GUARD		557

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES          DATA AS OF 04 FEB 1986
           INSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST        TOTAL
------------------PROJECT NAME----------------      ----------   ----------
OKLAHOMA
  AIR NATIONAL GUARD
    TULSA IAP
     ADDITION FOR ECM POD MAINTENANCE SHOP                 220
      TULSA IAP                                                         220

  AIR FORCE RESERVE
    TINKER AFB
     ADD TO TERMINAL FOR AERIAL PORT                       830
      TINKER AFB                                                        830
                                                                 ----------
**OKLAHOMA                                                           37,867


OREGON
  ARMY
    UMATILLA ARMY DEPOT
     SECURITY UPGRADE                                    1,050
      UMATILLA ARMY DEPOT                                             1,050

  ARMY NATIONAL GUARD
    ASHLAND
     100 PERSON ARMORY                                   1,048
      ASHLAND                                                         1,048

    CAMP ADAIR
     TARGET STORAGE/LATRINE/SAFETY BERM/ROAD               304
      CAMP ADAIR                                                        304

    CAMP WITHYCOMBE
     COMM-ELEC, CANVAS & CARPENTRY SHOP                    663
      CAMP WITHYCOMBE                                                   663

    EUGENE
     ARMORORY ADD/ALT                                      503
      EUGENE                                                            503

    VARIOUS LOCATIONS
     ARMORY UNIT STORAGE BUILDINGS                         277
      VARIOUS LOCATIONS                                                 277
                                                                 ----------
  **ARMY NATIONAL GUARD                                               2,795

  AIR NATIONAL GUARD
    KINGSLEY FIELD
     ALTER PARACHUTE AND DINGHY SHOP                       250
      KINGSLEY FIELD                                                    250

    PORTLAND IAP
     BASE SUPPLY WAREHOUSE                               4,600
      PORTLAND IAP                                                    4,600
                                                                 ----------
  **AIR NATIONAL GUARD                                                4,850

  AIR FORCE RESERVE
    PORTLAND IAP
     ADD TO BASE WAREHOUSE                                 400
     ADD-ALTER MEDICAL TRAINING FACILITY                   380
     MAINTENANCE HANGAR                                  3,900
      PORTLAND IAP                                                    4,680
                                                                 ----------
**OREGON                                                             13,375


PENNSYLVANIA
  ARMY
    CARLISLE BARRACKS
     TACTICAL EQUIPMENT SHOP                               800
      CARLISLE BARRACKS                                                 800
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
PENNSYLVANIA		
ARMY		
LETTERKENNY ARMY DEPOT		
SECURITY UPGRADE	1,900	
LETTERKENNY ARMY DEPOT		1,900
NEW CUMBERLAND AD		
EASTERN DISTRIBUTION CENTER-PHASE II	51,000	
NEW CUMBERLAND AD		51,000
**ARMY		53,700
NAVY		
NAVAL SHIP SYSTEM ENGR STA PHILADELPHIA		
ELECTRICAL DISTRIBUTION SYSTEM IMPROVES	400	
NAVAL SHIP SYSTEM ENGR STA PHILADELPHIA		400
NAVY SHIPS PARTS CONTROL CTR MECHANICSBURG		
FACILITY ENERGY IMPROVEMENTS	1,670	
NAVY SHIPS PARTS CONTROL CTR MECHANICSBURG		1,670
**NAVY		2,070
DEFENSE LOGISTICS AGENCY		
DEF REUTILIZATION & MARKETING OFC MECHANBG		
SCRAPYARD IMPROVEMENTS	1,290	
DEF REUTILIZATION & MARKETING OFC MECHANBG		1,290
ARMY NATIONAL GUARD		
INDIANA		
RANGE, 25 METER BAFFLED	125	
INDIANA		125
RIDGEWAY		
RANGE, 25 METER BAFFLED	125	
RIDGEWAY		125
WILLIAMSTOWN		
ARMORY ADD/ALT	533	
WILLIAMSTOWN		533
**ARMY NATIONAL GUARD		783
ARMY RESERVE		
CLINTON		
LOCAL TRAINING AREA	476	
CLINTON		476
LEWISBURG		
ARMY RESERVE CENTER MAINT FACILITY	1,296	
LEWISBURG		1,296
SCHUYLKILL HAVEN		
ADD/ALTER RESERVE CENTER/MAINT FACILITY	2,089	
SCHUYLKILL HAVEN		2,089
**ARMY RESERVE		3,861
NAVY RESERVE		
MCRC WYOMING		
COMBAT VEHICLE MAINT FACILITY	190	
MCRC WYOMING		190
NAS WILLOW GROVE		
AIRCRAFT MAINTENANCE HANGAR	8,000	
AIRCRAFT RINSE FACILITY	150	
NAS WILLOW GROVE		8,150

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ACTIVE, GUARD AND RESERVE FORCES
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
PENNSYLVANIA		
NAVY RESERVE		
RNCFSU-1 BEAVER COUNTY		
PERMANENT DRILL SITE RNCFSU-1	390	
RNCFSU-1 BEAVER COUNTY		390
**NAVY RESERVE		8,730
AIR FORCE RESERVE		
GREATER PITTSBURGH IAP		
ADD-ALTER AERIAL PORT TRAINING FACILITY	620	
GREATER PITTSBURGH IAP		620
**PENNSYLVANIA		71,054
RHODE ISLAND		
NAVY		
NAVAL EDUCATION & TRAINING CENTER NEWPORT		
BACHELOR OFFICER QUARTERS	8,800	
UTILITY SYSTEMS IMPROVEMENTS	2,900	
NAVAL EDUCATION & TRAINING CENTER NEWPORT		11,700
SURFACE WARFARE OFFICERS SCH CMD NEWPORT		
SURFACE WARFARE OFFICER TRAINING FACILITY	8,340	
SURFACE WARFARE OFFICERS SCH CMD NEWPORT		8,840
**NAVY		20,540
ARMY NATIONAL GUARD		
CAMP FOGARTY		
RANGE, RIFLE 175 METER BAFFLED	288	
CAMP FOGARTY		288
WARWICK		
ARMORY ADD/ALT	2,880	
WARWICK		2,880
**ARMY NATIONAL GUARD		3,168
AIR NATIONAL GUARD		
NORTH SMITHFIELD ANGS		
COMMUNICATIONS/ELECTRONICS TRNG FAC-PH I	2,400	
NORTH SMITHFIELD ANGS		2,400
**RHODE ISLAND		26,108
SOUTH CAROLINA		
ARMY		
FORT JACKSON		
APPLIED INSTRUCTION FACILITY	1,300	
FORT JACKSON		1,300
NAVY		
MARINE CORPS AIR STATION BEAUFORT		
AIRCRAFT RINSE FACILITY	740	
AUTOMOTIVE VEHICLE MAINTENANCE SHOP	640	
FLIGHT LINE SECURITY IMPROVEMENTS	1,280	
FUEL SYSTEM MAINTENANCE FACILITIES	1,370	
RUNWAY APPROACH LIGHTING	960	
MARINE CORPS AIR STATION BEAUFORT		4,990
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND		
RECRUIT BATTALION OPERATIONS FACILITY	1,870	
MARINE CORPS RECRUIT DEPOT PARRIS ISLAND		1,870

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
SOUTH CAROLINA		
NAVY		
NAVAL SHIPYARD CHARLESTON		
DRYDOCK PUMPHOUSE ALTERATIONS	7,860	
HAZARDOUS & FLAMMABLE MATERIALS STOREHOUSE	2,950	
NAVAL SHIPYARD CHARLESTON		10,810
NAVAL STATION CHARLESTON		
MOBILE MINE ASSEMBLY GROUP OPERATIONS FAC	1,400	
NAVAL STATION CHARLESTON		1,400
NAVAL WEAPONS STATION CHARLESTON		
CONSOLIDATED BRIG	16,500	
PIER IMPROVEMENTS	6,130	
NAVAL WEAPONS STATION CHARLESTON		22,630
**NAVY		41,700
AIR FORCE		
CHARLESTON AFB		
ADD-ALTER RECREATION CENTER	560	
*AERIAL REFUELING PART TASK TRAINER	1,200	
CORROSION CONTROL COVERED WASHRACK	5,000	
MATERIAL HANDLING EQUIP MAINT SHOP	730	
CHARLESTON AFB		7,490
AUTHORIZED IN PRIOR YEAR		(1,200)
MYRTLE BEACH AFB		
AIRCRAFT CORROSION CONTROL FACILITY	3,000	
MYRTLE BEACH AFB		3,000
SHAW AFB		
ADD-ALTER 9TH AIR FORCE HEADQUARTERS	3,700	
*ADD-ALTER WEAPONS SYSTEM MAINT MGMT FAC	1,150	
SHAW AFB		4,850
AUTHORIZED IN PRIOR YEAR		(1,150)
**AIR FORCE		15,340
AUTHORIZED IN PRIOR YEAR		(2,350)
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT CHARLESTON		
FIRE PROTECTION	460	
DEF FUEL SUPPORT CHARLESTON		460
DEF FUEL SUPPORT POINT NSC CHARLESTON		
FUEL TANKAGE	5,130	
DEF FUEL SUPPORT POINT NSC CHARLESTON		5,130
**DEFENSE LOGISTICS AGENCY		5,590
ARMY NATIONAL GUARD		
HAMPTON		
LOGISTICAL FACILITY DAS3 CLIX	128	
HAMPTON		128
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	315	
VARIOUS LOCATIONS		315
**ARMY NATIONAL GUARD		443
AIR NATIONAL GUARD		
MCENTIRE		
MUNITIONS MAINTENANCE/STORAGE FACILITY	1,600	
MCENTIRE		1,600

* AUTHORIZED IN PRIOR YEAR

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ACTIVE, GUARD AND RESERVE FORCES
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($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
SOUTH CAROLINA		
ARMY RESERVE		
FLORENCE		
LAND ACQUISITION	200	
FLORENCE		200
ORANGEBURG		
LAND ACQUISITION	75	
ORANGEBURG		75
ROCK HILL		
LAND ACQUISITION	20	
ROCK HILL		20
**ARMY RESERVE		295
**SOUTH CAROLINA		66,268
AUTHORIZED IN PRIOR YEAR		(2,350)
SOUTH DAKOTA		
AIR FORCE		
ELLSWORTH AFB		
B1B-ADD/ALTER WRSK STORAGE FACILITY	860	
COMBAT ARMS TRAINING/MAINT FACS	1,000	
CONTROL TOWER	2,150	
LIFE SUPPORT FACILITY	950	
SECURITY IMPROVEMENTS	450	
ELLSWORTH AFB		5,410
ARMY NATIONAL GUARD		
MITCHELL		
RANGE, PISTOL BAFFLED	221	
MITCHELL		221
SIOUX FALLS		
RANGE, PISTOL BAFFLED	221	
SIOUX FALLS		221
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	400	
VARIOUS LOCATIONS		400
**ARMY NATIONAL GUARD		842
AIR NATIONAL GUARD		
JOE FOSS FIELD		
JET FUEL STORAGE COMPLEX	2,500	
JOE FOSS FIELD		2,500
**SOUTH DAKOTA		8,752
TENNESSEE		
ARMY		
HOLSTON ARMY AMMUNITION PLANT		
BACKUP ELECTRIC POWER (MEMO-NON-ADD)	(2,950)	
MODERNIZE A-COMPOSITION FACILITIES-LINE 10 (MEMO-NON-ADD)	(5,000)	
MODERNIZE COMPOSITION A-5 DRYING PROCESS (MEMO-NON-ADD)	(3,000)	
TURBINE GENERATOR FOR BULIDING B-6 (ECAM) (MEMO-NON-ADD)	(330)	
HOLSTON ARMY AMMUNITION PLANT (MEMO-NON-ADD)		(11,280)

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TENNESSEE		
ARMY		
MILAN AAP		
AMMUNITION STORAGE MAGAZINES FOR LINE-B		
(MEMO-NON-ADD)	(610)	
MILAN AAP		
(MEMO-NON-ADD)		(610)
**ARMY		
(MEMO-NON-ADD)		(11,890)
NAVY		
NAVAL AIR STATION MEMPHIS		
AVIATION ORDNANCEMAN TRAINING BUILDING	12,800	
BRIG	2,750	
ENTRANCE ROADS IMPROVEMENT	1,570	
WATER TREAMENT FACILITY	260	
NAVAL AIR STATION MEMPHIS		17,380
AIR FORCE		
ARNOLD ENGINEERING DEV CENTER		
ADD-ALTER CHEMICAL LABORATORY	730	
FIRE DEFICIENCY CORRECTIONS	2,800	
ARNOLD ENGINEERING DEV CENTER		3,530
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT MEMPHIS		
DINING FACILITY	1,160	
DEFENSE DEPOT MEMPHIS		1,160
ARMY NATIONAL GUARD		
CATOOSA		
RANGE, MACHINE GUN/DEMOLITION	138	
CATOOSA		138
HOHENWALD		
60 PERSON ARMORY	656	
HOHENWALD		656
MILAN		
TRAINING FAC. PHASE III	2,697	
MILAN		2,697
MILLINGTON		
80 PERSON ARMORY	1,013	
MILLINGTON		1,013
NASHVILLE		
USPFO ADDITION	644	
NASHVILLE		644
PULASKI		
100 PERSON ARMORY	650	
PULASKI		650
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	335	
VARIOUS LOCATIONS		335
**ARMY NATIONAL GUARD		6,133
**TENNESSEE		28,203
(MEMO-NON-ADD)		(11,890)
TEXAS		
ARMY		
CORPUS CHRISTI ARMY DEPOT		
AIRCRAFT MAINTENANCE SHOP	7,200	

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ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TEXAS		
ARMY		
CORPUS CHRISTI ARMY DEPOT		
AIRCRAFT MAINTENANCE SHOP ADDITION	2,150	
COMPOSITE PANEL PREPARATION FACILITY	1,200	
CORPUS CHRISTI ARMY DEPOT		10,550
FORT HOOD		
ACADEMIC INSTRUCTION FACILITY	2,750	
*RANGE MODERNIZATIONS	4,500	
VEHICLE WASH FACILITY	10,600	
FORT HOOD		17,850
AUTHORIZED IN PRIOR YEAR		(4,500)
RED RIVER ARMY DEPOT		
SECURITY UPGRADE	1,350	
RED RIVER ARMY DEPOT		1,350
FORT SAM HOUSTON		
CHILD DEVELOPMENT CENTER	2,900	
WATER STORAGE TANK	800	
FORT SAM HOUSTON		3,700
**ARMY		33,450
AUTHORIZED IN PRIOR YEAR		(4,500)
NAVY		
NAVAL AIR STATION CORPUS CHRISTI		
FACILITY ENERGY IMPROVEMENTS	690	
NAVAL AIR STATION CORPUS CHRISTI		690
NAVAL AIR STATION KINGSVILLE		
FIRE ALARM SYSTEM	640	
JET ENGINE TEST CELL FACILITY	3,140	
NAVAL AIR STATION KINGSVILLE		3,780
**NAVY		4,470
AIR FORCE		
BERGSTROM AFB		
ADD-ALTER TACTICAL INTELL SQ FACILITY	1,260	
SOUND SUPPRESSOR SUPPORT	600	
TACTICAL AIR CONTROL CENTER FACILITY	3,390	
BERGSTROM AFB		5,250
CARSWELL AFB		
VEHICLE FUELING STATION	490	
CARSWELL AFB		490
DYESS AFB		
B1B-JET ENGINE STORAGE FACILITY	590	
B1B-MUNITIONS EQUIPMENT STORAGE FACILITIES	1,050	
COMBAT ARMS TRAINING/MAINT FACS	960	
SECURITY IMPROVEMENTS	750	
T9-NOISE SUPPRESSOR SUPPORT FACILITY	780	
DYESS AFB		4,130
GOODFELLOW AFB		
UNACCOMPANIED OFFICER PERSONNEL HOUSING	10,000	
GOODFELLOW AFB		10,000
KELLY AFB		
FUEL SYSTEMS ACCESSORIES TEST FACILITY	10,900	
WEAPONS SYSTEMS SUPPORT CENTER	39,000	
KELLY AFB		49,900
LACKLAND AFB		
ACADEMIC FACILITY-SECURITY POLICE	5,500	

* AUTHORIZED IN PRIOR YEAR

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TEXAS		
AIR FORCE		
LACKLAND AFB		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	16,000	
LACKLAND AFB		21,500
LAUGHLIN AFB		
LAND ACQUISITION-AUXILIARY FIELD	3,700	
LAUGHLIN AFB		3,700
RANDOLPH AFB		
AF MGMT ENGINEERING AGENCY ADMIN FAC	2,250	
RANDOLPH AFB		2,250
SHEPPARD AFB		
*MEDICAL TRAINING FACILITY	14,200	
SHEPPARD AFB		14,200
AUTHORIZED IN PRIOR YEAR		(14,200)
**AIR FORCE		111,420
AUTHORIZED IN PRIOR YEAR		(14,200)
DEFENSE LEVEL ACTIVITIES		
BROOKS AFB		
ADD/ALTER DRUG ABUSE DETECTION LAB	1,850	
BROOKS AFB		1,850
FORT HOOD		
TROOP MEDICAL CLINIC	3,450	
FORT HOOD		3,450
RANDOLPH AFB		
CLINIC/DENTAL CLINIC	13,700	
RANDOLPH AFB		13,700
**DEFENSE LEVEL ACTIVITIES		19,000
ARMY NATIONAL GUARD		
ABILENE		
ARMORY ADD/ALT	924	
ABILENE		924
AUSTIN		
ARMORY MODIFICATION	400	
U.S. PROPERTY & FISCAL OFFICE ADDITION	400	
AUSTIN		800
CAMP MAXEY		
RANGE, COMBAT PISTOL	126	
CAMP MAXEY		126
CAMP SWIFT		
RANGE, M-16 RECORD FIRE	271	
RANGE, M60/M2 TRANSITION	312	
CAMP SWIFT		583
DECATUR		
ARMORY ADD/ALT	801	
DECATUR		801
WAXAHACHIE		
ARMORY ADD/ALT	774	
WAXAHACHIE		774
**ARMY NATIONAL GUARD		4,008
AIR NATIONAL GUARD		
ELLINGTON ANGB		
ALTER WEAPONS AND RELEASE SHOP	224	
ELLINGTON ANGB		224

* AUTHORIZED IN PRIOR YEAR

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ACTIVE, GUARD AND RESERVE FORCES
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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TEXAS		
AIR NATIONAL GUARD		
KELLY AFB		
JET BLAST DEFLECTOR	125	
KELLY AFB		125
**AIR NATIONAL GUARD		349
ARMY RESERVE		
CAMP BULLIS		
MILITARY INTELLIGENCE TRAINING FACILITY	1,918	
CAMP BULLIS		1,918
FT SAM HOUSTON		
RESERVE CENTER ALTERATION	145	
FT SAM HOUSTON		145
SINTON		
RESERVE CENTER ADDITION	190	
SINTON		190
**ARMY RESERVE		2,253
NAVY RESERVE		
NAVAL AIR STATION DALLAS		
AIRCRAFT COOLING	250	
AIRFIELD APPROACH LIGHTING	2,400	
OPERATIONAL STORAGE FACILITY RNMCB-22	175	
NAVAL AIR STATION DALLAS		2,825
NAVAL RESERVE CENTER CORPUS CHRISTI		
VEHICLE MAINT FACILITY	250	
NAVAL RESERVE CENTER CORPUS CHRISTI		250
**NAVY RESERVE		3,075
AIR FORCE RESERVE		
CARSWELL AFB		
COMPOSITE TRAINING FACILITY	1,500	
CARSWELL AFB		1,500
**TEXAS		179,525
AUTHORIZED IN PRIOR YEAR		(18,700)
UTAH		
ARMY		
DUGWAY PROVING GROUND		
COMMUNITY CENTER	3,200	
MATERIAL TEST FACILITY	9,700	
DUGWAY PROVING GROUND		12,900
TOOELE ARMY DEPOT		
SECURITY UPGRADE	1,850	
TOOELE ARMY DEPOT		1,850
**ARMY		14,750
AIR FORCE		
HILL AFB		
ADD TO WATER SUPPLY AND DIST SYSTEM	1,200	
DEPOT INSTRUMENT OVERHAUL SHOP	1,550	
GAPFILLER RADAR FACILITY	1,300	
LOGISTICS SYSTEMS OPERATIONS CENTER	11,500	
PEACEKEEPER-ADD/ALTER STAGE I STORAGE	1,000	
PEACEKEEPER-SYSTEM ENGINEERING TEST SILO	4,000	
HILL AFB		20,550

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
UTAH		
DEFENSE LOGISTICS AGENCY		
DEFENSE DEPOT OGDEN		
ADMINISTRATIVE FACILITIES	9,780	
TRANSIENT AND VISITOR HOUSING	620	
DEFENSE DEPOT OGDEN		10,400
ARMY NATIONAL GUARD		
CAMP WILLIAMS		
BOQ/BEQ RENOVATION	139	
RANGE, FIELD FIRE	179	
RANGE, KNOWN DISTANCE	135	
CAMP WILLIAMS		453
DRAPER		
MILITARY COMPLEX ACQUISITION	5,376	
DRAPER		5,376

**ARMY NATIONAL GUARD		5,829
ARMY RESERVE		
PROVO		
STORAGE BUILDING	110	
PROVO		110
AIR FORCE RESERVE		
HILL AFB		
POWER CHECK PAD WITH SUPPRESSOR	750	
HILL AFB		750

**UTAH		52,389
VERMONT		
ARMY NATIONAL GUARD		
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	350	
VARIOUS LOCATIONS		350
VIRGINIA		
ARMY		
FORT BELVOIR		
CHILD DEVELOPMENT/RELIGIOUS ED FACILITY	5,600	
FORT BELVOIR		5,600
FORT EUSTIS		
APPLIED INSTRUCTION FACILITY	2,050	
FORT EUSTIS		2,050
FORT LEE		
BARRACKS	10,000	
GENERAL INSTRUCTION BUILDING ADDITION	7,600	
FORT LEE		17,600
FORT MYER		
PHYSICAL FITNESS TRAINING CENTER	3,800	
FORT MYER		3,800
RADFORD AAP		
ELECTRIC POWER CENTER UPGRADE (MEMO-NON-ADD)	(9,200)	
EXPAND 155MM STICK PROPELLANT PRODUCTION (MEMO-NON-ADD)	(750)	
REPLACE EXPLOSION PROTECTION BARRICADES (MEMO-NON-ADD)	(1,100)	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
ARMY		
RADFORD AAP		
STEAM SUPPLY LINE TO HORSESHOE AREA		
(MEMO-NON-ADD)	(8,700)	
RADFORD AAP		
(MEMO-NON-ADD)		(19,750)
FORT STORY		
ELECTRICAL DISTRIBUTION SYSTEM UPGRADE	1,700	
STORAGE/MAINTENANCE FACILITY	1,000	
FORT STORY		2,700
**ARMY		31,750
(MEMO-NON-ADD)		(19,750)
NAVY		
FLEET COMBAT TRAIN CTR ATLANTIC DAM NECK		
*CHAPEL	1,570	
ELECTRICAL DISTRIBUTION SYSTEM	820	
FLEET COMBAT TRAIN CTR ATLANTIC DAM NECK		2,390
AUTHORIZED IN PRIOR YEAR		(1,570)
FLEET INTEL CTR EUROPE & ATLANTIC NORFOLK		
INTELLIGENCE BUILDING ADDITION	1,880	
FLEET INTEL CTR EUROPE & ATLANTIC NORFOLK		1,880
FLEET TRAINING CENTER NORFOLK		
ELECTRICAL TRADES TRAINING BLDG ADDITION	5,400	
FLEET TRAINING CENTER NORFOLK		5,400
HEADQUARTERS MARINE CORPS ARLINGTON		
PHYSICAL FITNESS CENTER	3,020	
HEADQUARTERS MARINE CORPS ARLINGTON		3,020
NAVAL AIR STATION NORFOLK		
HELICOPTER TRAINING FACILITIES	1,570	
NAVAL AIR STATION NORFOLK		1,570
NAVAL AMPHIBIOUS BASE LITTLE CREEK		
BEACH GROUP OPERATIONS FACILITIES	5,890	
*COMBAT SWIMMER TRAINING FACILITY	3,730	
STEAM AND CONDENSATE SYSTEMS	1,080	
NAVAL AMPHIBIOUS BASE LITTLE CREEK		10,700
AUTHORIZED IN PRIOR YEAR		(3,730)
NAVAL ELECTRONIC SYS ENGR CTR PORTSMOUTH		
ELECTRONIC SYSTEMS INTEGRATION & SPT FAC	1,870	
NAVAL ELECTRONIC SYS ENGR CTR PORTSMOUTH		1,870
NAVAL GUIDED MISSILES SCHOOL DAM NECK		
SUBMARINE TRAINING BUILDING ADDITION	3,140	
NAVAL GUIDED MISSILES SCHOOL DAM NECK		3,140
NAVAL LEGAL SERVICE OFFICE DET OCEANA		
LEGAL SERVICES OFFICE	540	
NAVAL LEGAL SERVICE OFFICE DET OCEANA		540
NAVAL LEGAL SERVICE OFFICE NORFOLK		
NAVAL LEGAL SERVICE BUILDING ADDITION	1,080	
NAVAL LEGAL SERVICE OFFICE NORFOLK		1,080
NAVAL OCEAN PROCESSING FACILITY DAM NECK		
SECURITY IMPROVEMENTS	540	
NAVAL OCEAN PROCESSING FACILITY DAM NECK		540
NAVAL RESEARCH LABORATORY ANNEX QUANTICO		
MIDWAY RESEARCH CENTER	1,500	
NAVAL RESEARCH LABORATORY ANNEX QUANTICO		1,500

* AUTHORIZED IN PRIOR YEAR

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
NAVY		
NAVAL SEA COMBAT SYSTEMS ENGR STA NORFOLK		
SHIPBOARD ELECTRONICS SYSTEMS EVAL FAC	960	
NAVAL SEA COMBAT SYSTEMS ENGR STA NORFOLK		960
NAVAL SHIPYARD NORFOLK		
BACHELOR ENLISTED QUARTERS	5,900	
NAVAL SHIPYARD NORFOLK		5,900
NAVAL SUPPLY CENTER NORFOLK		
HAZARDOUS MTRLS STRG & HANDLING FAC ADDN	3,140	
NAVAL SUPPLY CENTER NORFOLK		3,140
NAVAL SURFACE WEAPONS CENTER DAHLGREN		
AEGIS COMPUTER CENTER ADDITION	3,830	
AEGIS EDUCATION CENTER ADDITION	2,950	
PERSONNEL SUPPORT FACILITIES	5,450	
WEAPONS SYSTEM DEVELOPMENT LABORATORY ADDN	3,730	
NAVAL SURFACE WEAPONS CENTER DAHLGREN		15,960
NAVAL WEAPONS STATION YORKTOWN		
MISSILE STORAGE FACILITIES	4,220	
NAVAL WEAPONS STATION YORKTOWN		4,220
NAVY PUBLIC WORKS CENTER NORFOLK		
MAINTENANCE STORAGE FACILITY	2,450	
OIL SPILL PREVENTION	690	
STEAM PLANT IMPROVEMENTS	5,600	
NAVY PUBLIC WORKS CENTER NORFOLK		8,740
NAVY REGIONAL DATA AUTOMATION CTR NORFOLK		
*DATA PROCESSING CENTER	9,330	
NAVY REGIONAL DATA AUTOMATION CTR NORFOLK		9,330
AUTHORIZED IN PRIOR YEAR		(9,330)

**NAVY		81,900
AUTHORIZED IN PRIOR YEAR		(14,630)
AIR FORCE		
LANGLEY AFB		
ADD-ALTER DATA PROCESSING FACILITY	3,550	
*ASAT-ADMINISTRATIVE BUILDING	500	
*ASAT-CONTROL CENTER	420	
*ASAT-HAZARDOUS MATERIALS STORAGE	300	
*ASAT-INTEGRATED MAINTENANCE FACILITIES	9,300	
*ASAT-MISSILE AND MOTOR STORAGE	1,900	
*ASAT-SECURITY CONTROL	280	
*ASAT-UTILITIES AND SITE WORK	2,900	
BASE SUPPLY COMPLEX-PHASE III	4,450	
ECIP-UPGRADE HEATING SYSTEM	1,640	
LANGLEY AFB		25,240
AUTHORIZED IN PRIOR YEAR		(15,600)
DEFENSE LEVEL ACTIVITIES		
DAHLGREN		
ELEMENTARY/JR HIGH SCHOOL ADDITION	1,130	
DAHLGREN		1,130
PENTAGON		
DEMOLITION OF PARKING LOT	2,500	
PENTAGON		2,500
QUANTICO		
HIGH SCHOOL ADDITION	420	
QUANTICO		420

**DEFENSE LEVEL ACTIVITIES		4,050

* AUTHORIZED IN PRIOR YEAR

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
VIRGINIA		
DEF COMMUNICATIONS AGNCY		
PENTAGON		
JDSSC PENTAGON ALTERATION/EXPANSION	2,300	
PENTAGON		2,300
ARMY NATIONAL GUARD		
CHARLOTTESVILLE		
ARMORY ADD/ALT	910	
CHARLOTTESVILLE		910
FREDERICKSBURG		
ARMORY ADD/ALT	1,239	
ORGANIZATIONAL MAINTENANCE SHOP MODIFICAT.	191	
FREDERICKSBURG		1,430
LEESBURG		
100 PERSON ARMORY	1,024	
LEESBURG		1,024
LEXINGTON		
60 PERSON ARMORY	897	
LEXINGTON		897
MANASSAS		
ARMORY ADD/ALT	903	
MANASSAS		903
STAUNTON		
ARMORY ADD/ALT	1,302	
STAUNTON		1,302
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	460	
VARIOUS LOCATIONS		460
**ARMY NATIONAL GUARD		6,926
ARMY RESERVE		
FORT LEE		
ADD/ALTER ARMY RESERVE CENTER	2,299	
FORT LEE		2,299
NAVY RESERVE		
RNMCB-23 FT BELVOIR		
OPERATIONAL STORAGE FACILITY RNMCB-23	175	
RNMCB-23 FT BELVOIR		175
FAMILY HOUSING		
NAVY		
MARCOR DEV EDUC COM QUANTICO		
TRAILER PADS (050)	[790]	
MARCOR DEV EDUC COM QUANTICO FAMILY HOUSING		[790]
**VIRGINIA		154,640
(MEMO-NON-ADD)		(19,750)
AUTHORIZED IN PRIOR YEAR		(30,230)
FAMILY HOUSING		[790]
WASHINGTON		
ARMY		
FORT LEWIS		
COMSEC MAINTENANCE FACILITY	600	

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WASHINGTON		
ARMY		
FORT LEWIS		
FIRE PROTECTION SYSTEM	480	
LANDFILL UPGRADE	7,500	
REFUSE INCINERATOR PLANT	13,000	
TACTICAL EQUIPMENT SHOP	4,400	
FORT LEWIS		25,980
NAVY		
NAVAL AIR STATION WHIDBEY ISLAND		
AIRCRAFT PARKING APRON	3,510	
FLIGHT SIMULATOR BUILDING ADDITION	980	
WATER TREATMENT FACILITY	690	
NAVAL AIR STATION WHIDBEY ISLAND		5,180
NAVAL STATION EVERETT		
CARRIER SUPPORT COMPLEX (INCREMENT I)	95,400	
NAVAL STATION EVERETT		95,400
NAVAL STATION SEATTLE		
BRIG	2,950	
NAVAL STATION SEATTLE		2,950
NAVAL SUBMARINE BASE BANGOR		
BACHELOR ENLISTED QUARTERS	4,900	
ELECTRICAL DISTRIBUTION SYSTEM IMPROVES	5,600	
HAZARDOUS WASTE FACILITY	1,280	
SECURITY BUILDING	2,750	
SEWERAGE SYSTEM	300	
SEWERAGE SYSTEM	400	
NAVAL SUBMARINE BASE BANGOR		15,230
NAVAL SUPPLY CENTER BREMERTON		
OIL SPILL PREVENTION	500	
NAVAL SUPPLY CENTER BREMERTON		500
NAVAL UNDERSEA WARFARE ENGR STA KEYPORT		
MISSILE MAGAZINES	5,890	
NAVAL UNDERSEA WARFARE ENGR STA KEYPORT		5,890
TRIDENT REFIT FACILITY BANGOR		
ELECTRICAL DISTRIBUTION SYSTEM	980	
WATER TREATMENT PLANT IMPROVEMENTS	590	
TRIDENT REFIT FACILITY BANGOR		1,570
**NAVY		126,720
AIR FORCE		
FAIRCHILD AFB		
ALTER CONSOLIDATED BASE PERSONNEL OFFICE	1,950	
ECIP-WEATHERIZATION	1,350	
SECURITY IMPROVEMENTS	570	
SECURITY POLICE OPERATIONS FACILITY	2,900	
T9-NOISE SUPPRESSOR SUPPORT FACILITY	750	
FAIRCHILD AFB		7,520
MCCHORD AFB		
ADD TO-ALTER AIR FREIGHT TERMINAL	6,400	
SQUADRONS OPERATIONS FACILITY	4,900	
MCCHORD AFB		11,300
**AIR FORCE		18,820
DEFENSE LEVEL ACTIVITIES		
FORT LEWIS		
MADIGAN ARMY MEDICAL CENTER PHASE II	72,100	
FORT LEWIS		72,100

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STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WASHINGTON		
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT MUKILTEO		
FUEL PIER	6,360	
DEF FUEL SUPPORT POINT MUKILTEO		6,360
ARMY NATIONAL GUARD		
CAMP MURRAY		
U.S. PROPERTY & FISCAL OFFICE ADDITION	302	
CAMP MURRAY		302
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	332	
VARIOUS LOCATIONS		332
**ARMY NATIONAL GUARD		634
ARMY RESERVE		
BOTHELL		
ARMY RESERVE CENTER	3,400	
BOTHELL		3,400
NAVY RESERVE		
NAF WHIDBEY ISLAND		
AIRCRAFT MAINTENANCE HANGAR	6,100	
NAF WHIDBEY ISLAND		6,100
**WASHINGTON		260,114
WEST VIRGINIA		
ARMY		
FORT DAWSON		
STUDENT TRAINING FACILITY	8,700	
FORT DAWSON		8,700
AIR NATIONAL GUARD		
E WV REGIONAL APT (MARTINSBURG)		
SHORTFIELD RUNWAY	2,500	
E WV REGIONAL APT (MARTINSBURG)		2,500
**WEST VIRGINIA		11,200
WISCONSIN		
ARMY		
BADGER AAP		
OPEN/CLOSE LANDFILL	980	
BADGER AAP		980
ARMY NATIONAL GUARD		
CAMP WILLIAMS		
LOGISTICAL FACILITY DAS3 CLIX	110	
CAMP WILLIAMS		110
VARIOUS LOCATIONS		
ARMORY UNIT STORAGE BUILDINGS	290	
VARIOUS LOCATIONS		290
**ARMY NATIONAL GUARD		400
AIR NATIONAL GUARD		
TRUAX FIELD		
ADD TO AIRCRAFT ENGINE SHOP	900	
ALTER BASE ENGINEER MAINTENANCE SHOP	386	
COMPOSITE SQUADRON OPERATIONS	2,200	
TRUAX FIELD		3,486

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WISCONSIN		
ARMY RESERVE		
FOND DU LAC		
ARMY RESERVE CENTER TANK TRAINING FACILITY	1,562	
FOND DU LAC		1,562
RACINE		
LAND ACQUISITION	235	
RACINE		235
**ARMY RESERVE		1,797
AIR FORCE RESERVE		
BILLY MITCHELL FIELD		
CONSTRUCT SQUADRON OPERATIONS FACILITY	1,565	
BILLY MITCHELL FIELD		1,565
**WISCONSIN		8,228
WYOMING		
AIR FORCE		
FE WARREN AFB		
ADD/ALTER ENERGY MONITORING/CONTROL SYS	2,600	
COMBAT ARMS TRAINING/MAINT FACS	550	
PEACEKEEPER-ACCESS ROADS	14,500	
PEACEKEEPER-LAUNCH FACILITIES SITE WORK	5,000	
PEACEKEEPER-REAL ESTATE	400	
FE WARREN AFB		23,050
ARMY NATIONAL GUARD		
CAMP GUERNSEY		
MESS HALL REHAB	641	
RANGE, FIELD FIRE	175	
CAMP GUERNSEY		816
**WYOMING		23,866
CONUS CLASSIFIED		
ARMY		
CLASSIFIED LOCATION		
CLASSIFIED PROJECT	7,400	
CLASSIFIED LOCATION		7,400
DEFENSE LEVEL ACTIVITIES		
CLASSIFIED LOCATION		
CLASSIFIED PROJECT	3,000	
CLASSIFIED LOCATION		3,000
NATIONAL SECURITY AGENCY		
CLASSIFIED LOCATION		
CLASSIFIED PROJECT	4,000	
CLASSIFIED PROJECT	3,000	
CLASSIFIED PROJECT	1,000	
CLASSIFIED LOCATION		8,000
AIR FORCE RESERVE		
AIR FORCE RESERVE		
H-70 SERVICE AND STORAGE FACILITY	250	
AIR FORCE RESERVE		250
**CONUS CLASSIFIED		18,650
CONUS UNSPECIFIED		
AIR FORCE		
CONUS UNSPECIFIED		
SPECIAL TACTICAL DETACHMENT	37,056	
CONUS UNSPECIFIED		37,056

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
INSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
CONUS UNSPECIFIED		
AIR FORCE RESERVE		
AIR FORCE RESERVE		
ADD-ALTER MISCELLANEOUS SHOPS	1,350	
ALTER AVIONICS SHOP	650	
AIR FORCE RESERVE		2,000
**CONUS UNSPECIFIED		39,056
CONUS VARIOUS		
AIR FORCE		
BASE EIGHTEEN		
KC135R-ADD TO AND ALTER FIRE STATION	570	
KC135R-ADD/ALTER VEHICLE MAINTENANCE SHOP	800	
KC135R-ALTER AIRFIELD PAVEMENTS	6,600	
KC135R-ALTER AVIONICS MAINTENANCE SHOP	210	
KC135R-ALTER FUEL CELL MAINTENANCE DOCK	1,400	
KC135R-ALTER HEADQUARTERS OPERATIONS FAC	7,700	
KC135R-ALTER HYDRANT REFUELING SYSTEM	8,500	
KC135R-ALTER SUPPORT EQUIP/STORAGE FAC	280	
KC135R-APRON LIGHTING	390	
KC135R-CASS PROVISIONS-PHASE I	1,800	
KC135R-INSTRUMENT LANDING SYSTEM	920	
KC135R-RUNWAY APPROACH LIGHTING	800	
BASE EIGHTEEN		29,970
BASE FORTY THREE		
STC-CONTROL AND OPERATIONS FACILITY	5,500	
BASE FORTY THREE		5,500
BASE THIRTY EIGHT		
F15-ADD/ALTER SQUADRON OPERATIONS FAC	760	
F15-ADDITION TO AIRCRAFT APRON	9,300	
F15-UNACCOMP ENLISTED PERSONNEL HOUSING	4,650	
BASE THIRTY EIGHT		14,710
BASE THIRTY NINE		
F15E-ADD/ALTER FLIGHT SIMULATOR FAC	2,300	
BASE THIRTY NINE		2,300
BASE THIRTY SEVEN		
F15E-ADD/ALTER FLIGHT SIMULATOR FACILITY	7,200	
F15E-ALTER FAC FOR F-15 FLIGHT ACADEMY FAC	1,200	
F15E-FIELD TRAINING DETACHMENT FACILITY	2,800	
F15E-FUEL TANK STORAGE FACILITY	650	
F15E-SQUADRON OPERATIONS FACILITY	3,100	
BASE THIRTY SEVEN		14,950
WEST CONUS		
OTH-B RADAR TRANS STANDBY POWER LINE	18,000	
OTH-B TRANSMITTER/RCVR SUPPORT FACS	2,800	
WEST CONUS		20,800
**AIR FORCE		88,230
AIR NATIONAL GUARD		
CONUS VARIOUS		
AIRCRAFT ARRESTING SYSTEMS	1,700	
FLIGHT SIMULATOR FACILITIES	2,683	
POWER CHECK PADS WITH SUPPRESSOR	4,000	
CONUS VARIOUS		8,383
**CONUS VARIOUS		96,613

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
INSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TOTALS		
ARMY		1,118,637
(MEMO-NON-ADD)		(34,620)
AUTHORIZED IN PRIOR YEAR		(11,900)
FAMILY HOUSING		[209,430]
NAVY		1,530,725
AUTHORIZED IN PRIOR YEAR		(18,720)
FAMILY HOUSING		[128,100]
AIR FORCE		1,252,342
AUTHORIZED IN PRIOR YEAR		(54,400)
FAMILY HOUSING		[5,481]
DEFENSE AGENCIES		454,460
AUTHORIZED IN PRIOR YEAR		(87,500)
INSIDE THE UNITED STATES		4,356,164
(MEMO-NON-ADD)		(34,620)
AUTHORIZED IN PRIOR YEAR		(172,520)
FAMILY HOUSING		[343,011]

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

       ACTIVE, GUARD AND RESERVE FORCES         DATA AS OF 04 FEB 1986
      SPECIFIED OUTSIDE THE UNITED STATES
                 ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST       TOTAL
-------------------PROJECT NAME---------------     ----------    ----------
AUSTRALIA
  NAVY
    NAVAL COMMUNICATION STATION HAROLD E HOLT
     EMERGENCY COOLING SYSTEM                               310
     PUBLIC WORKS SHOP                                    1,870
      NAVAL COMMUNICATION STATION HAROLD E HOLT                        2,180

  AIR FORCE
    WOOMERA AS
     SOLID STATE UNINTERRUPT POWER SUPPLY SPT             2,300
      WOOMERA AS                                                       2,300
                                                                  ----------
**AUSTRALIA                                                            4,480


BAHAMAS
  NAVY
    NAVAL UNDERWATER SYSTEMS CTR ANDROS ISLAND
     CIVILIAN QUARTERS                                    3,730
      NAVAL UNDERWATER SYSTEMS CTR ANDROS ISLAND                       3,730


BAHRAIN ISLAND
  NAVY
    ADMINISTRATIVE SUPPORT UNIT
     INDOOR RECREATION FACILITY                           2,550
      ADMINISTRATIVE SUPPORT UNIT                                      2,550


BELGIUM
  AIR FORCE
    FLORENNES
     GLCM-AUTOMOTIVE HOBBY SHOP                             520
     GLCM-COMMISSARY                                      3,500
     GLCM-DATA PROCESSING FACILITY                        1,200
     GLCM-EXCHANGE COMPLEX                                2,850
    *GLCM-RECREATION LIBRARY                                460
     GLCM-YOUTH CENTER                                      750
      FLORENNES                                                        9,280
        AUTHORIZED IN PRIOR YEAR                                       (460)

  DEFENSE LEVEL ACTIVITIES
    SHAPE HQ - CASTEAU
     ELEMENTARY AND HIGH SCHOOL ADDITION                  1,260
      SHAPE HQ - CASTEAU                                               1,260
                                                                  ----------
**BELGIUM                                                             10,540
        AUTHORIZED IN PRIOR YEAR                                       (460)


BERMUDA
  DEFENSE LEVEL ACTIVITIES
    NAVAL AIR STATION
     ELEMENTARY SCHOOL                                    4,280
      NAVAL AIR STATION                                                4,280


DIEGO GARCIA
  AIR FORCE
    DIEGO GARCIA
     GLOBAL POSITIONING SYS INTERNET FACILITIES           3,900
     VEHICLE MAINTENANCE/STORAGE FACILITY                   800
      DIEGO GARCIA                                                     4,700


GERMANY
  ARMY
    ANSBACH
     AMMUNITION STORAGE                                     860


             * AUTHORIZED IN PRIOR YEAR
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
ARMY		
ANSBACH		
CHILD DEVELOPMENT CENTER	930	
ANSBACH		1,790
ASCHAFFENBURG		
HARDSTAND	3,650	
TACTICAL EQUIPMENT SHOP	3,350	
ASCHAFFENBURG		7,000
BAD KREUZNACH		
FACILITY MODERNIZATION	10,200	
BAD KREUZNACH		10,200
BAMBERG		
FACILITY MODERNIZATION	18,000	
BAMBERG		18,000
BAUMHOLDER		
AMMUNITION STORAGE	4,400	
CHILD DEVELOPMENT CENTER	2,000	
COMMAND AND CONTROL BUILDING	10,000	
FACILITY MODERNIZATION PHASE IV	12,400	
SEWER/POL SEPARATOR	2,050	
BAUMHOLDER		30,850
BITBURG TRAINING AREA		
AMMUNITION STORAGE	520	
BARRACKS	13,800	
DINING FACILITY	1,850	
HEATING PLANT	2,550	
TACTICAL EQUIPMENT SHOP	1,200	
BITBURG TRAINING AREA		19,920
EINSIEDLERHOF		
TRAINING EXERCISE FACILITY	4,750	
EINSIEDLERHOF		4,750
FRANKFURT		
CRIME LABORATORY MODERNIZATION/ADDITION	3,500	
FRANKFURT		3,500
FULDA		
CHILD DEVELOPMENT CENTER	1,000	
FULDA		1,000
GIESSEN GENERAL DEPOT		
DINING FACILITY	2,100	
FACILITY MODERNIZATION	16,000	
FACILITY MODERNIZATION PHASE III	970	
FUEL STATION	3,500	
GIESSEN GENERAL DEPOT		22,570
GOEPPINGEN		
SITE SUPPORT UPGRADE	1,850	
GOEPPINGEN		1,850
HANAU		
AIRCRAFT MAINTENANCE HANGAR	7,100	
CHILD DEVELOPMENT CENTER	1,850	
FACILITY MODERNIZATION	11,000	
FLIGHT SIMULATOR BUILDING	3,700	
HARDSTAND	2,500	
*TACTICAL EQUIPMENT SHOP	3,700	
HANAU		29,850
AUTHORIZED IN PRIOR YEAR		(3,700)

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
ARMY		
HEIDELBERG		
CHILD DEVELOPMENT CENTER	1,600	
*OPERATIONS BUILDING	1,800	
HEIDELBERG		3,400
AUTHORIZED IN PRIOR YEAR		(1,800)
HEILBRONN		
BARRACKS	2,100	
HEILBRONN		2,100
HOHENFELS TNG AREA		
COMBAT MANEUVER TRAINING COMPLEX	8,800	
*MILITARY OPERATIONS ON URBANIZED TERRAIN	2,800	
HOHENFELS TNG AREA		11,600
AUTHORIZED IN PRIOR YEAR		(2,800)
KAISERSLAUTERN		
PETROLEUM LABORATORY	1,400	
KAISERSLAUTERN		1,400
KARLSRUHE		
FACILITY MODERNIZATION	10,000	
*TACTICAL EQUIPMENT SHOP	1,800	
KARLSRUHE		11,800
AUTHORIZED IN PRIOR YEAR		(1,800)
LOCATION 280		
AIR CONDITIONING UPGRADE	2,100	
LOCATION 280		2,100
MANNHEIM		
RANGE COMPLEX	2,450	
MANNHEIM		2,450
NEU ULM		
SITE SUPPORT UPGRADE	2,850	
SITE SUPPORT UPGRADE	19,000	
TACTICAL EQUIPMENT SHOP	4,200	
NEU ULM		26,050
NUERNBERG		
FERRIS BARRACKS	5,500	
NUERNBERG		5,500
RHEINBERG		
ADMINISTRATIVE SPACE ALTERATION	7,200	
AUTOMATED DATA PROCESSING FACILITY	680	
BARRACKS WITH DINING	14,800	
CHILD DEVELOPMENT CENTER	930	
COMMUNICATIONS CENTER CONVERSION	400	
LOGISTICAL SUPPLY FACILITY	6,700	
PHYSICAL FITNESS TRAINING CENTER	4,900	
RHEINBERG		35,610
SCHWEINFURT		
CHILD DEVELOPMENT CENTER	900	
FACILITY MODERNIZATION	16,000	
FACILITY MODERNIZATION PHASE IV	8,500	
TACTICAL EQUIPMENT SHOP	13,600	
SCHWEINFURT		39,000
STUTTGART		
SEWER SYSTEM UPGRADE	820	
STUTTGART		820

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
ARMY		
VARIOUS SITES		
MAINTENANCE TRAINING FACILITY	1,850	
SITE SECURITY ENHANCEMENTS	17,000	
WARTIME HOST NATION SUPPORT	17,500	
VARIOUS SITES		36,350
VILSECK		
BARRACKS	6,800	
CHAPEL/RELIGIOUS EDUCATION FACILITY	3,450	
COMMISSARY SALES	7,300	
EXCHANGE MAIN RETAIL STORE	8,000	
POST OFFICE	1,300	
PROVOST MARSHAL FACILITY	1,800	
RELOCATE AMMUNITION AREA	920	
UNACCOMPANIED OFFICERS HOUSING	4,050	
UTILITIES	36,000	
VILSECK		69,620
WILDFLECKEN		
VEHICLE WASH FACILITY	3,800	
WILDFLECKEN		3,800
WUERZBURG		
CHILD DEVELOPMENT CEBTER	900	
CHILD DEVELOPMENT CENTER	1,000	
WUERZBURG		1,900
**ARMY		404,780
AUTHORIZED IN PRIOR YEAR		(10,100)
AIR FORCE		
BITBURG AB		
ADD-ALTER SEWAGE TREATMENT PLANT	1,500	
ALTER BASE MAIN ENTRANCE	440	
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	
PASSIVE DEFENSE EQUIP STORAGE FACILITY	770	
RAPID RUNWAY REPAIR EQUIP STORAGE FAC	960	
WATER STORAGE TANK	480	
BITBURG AB		5,350
EINSIEDLERHOF		
*VISITING OFFICERS QUARTERS	2,600	
EINSIEDLERHOF		2,600
AUTHORIZED IN PRIOR YEAR		(2,600)
HAHN AB		
ADD TO VEHICLE MAINTENANCE FACILITY	1,900	
ADD-ALTER FIRE STATION	1,100	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,300	
ALTERNATE LAUNCH/RECOVERY SURFACE (ALRS)	2,100	
POST OFFICE	980	
RAPID RUNWAY REPAIR EQUIP STORAGE BLDG	840	
SECURITY POLICE OPERATIONS FACILITY	1,100	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,400	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,000	
HAHN AB		15,720
HESSISCH		
ADD-ALTER COMPOSITE RECREATION CENTER	2,000	
HESSISCH		2,000
LINDSEY AS		
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	
LINDSEY AS		1,200

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
AIR FORCE		
PRUEM AS		
COMPOSITE RECREATION CENTER	1,150	
PRUEM AS		1,150
RAMSTEIN AB		
ADD TO NONCOMMISSIONED OFFICER ACADEMY	1,850	
ADD-ALTER VEHICLE MAINTENANCE SHOPS	6,000	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,900	
F16-ADD/ALTER AEROSPACE SUPPORT EQUIP COMP	1,600	
F16-AIRCRAFT MAINTENANCE FACILITY	1,200	
F16-CENTRAL SECURITY CONTROL FACILITY	2,050	
F16-MUNITIONS LOAD CREW TRAINING FACILITY	2,350	
F16-WAREHOUSE	2,200	
OUTDOOR PROCESSING-PALLET STORAGE AREA	1,350	
PROTECTED COMBAT TARGETING CENTER	36,000	
SECURITY LIGHTING	420	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	6,300	
VISITING OFFICER QUARTERS	3,000	
WATER STORAGE TANK	2,600	
WEAPONS STORAGE AND SECURITY SYSTEM	800	
RAMSTEIN AB		73,620
RHEIN-MAIN AB		
FIRE PROTECTION SYSTEM	1,300	
RHEIN-MAIN AB		1,300
SEMBACH AB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,900	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	1,450	
VEHICLE MAINTENANCE FACILITY	1,050	
SEMBACH AB		7,400
SPANGDAHLEM AB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	3,700	
CHEM WARFARE-SQUADRON OPERATIONS FACILITY	1,700	
*FIELD TRAINING FACILITY	1,600	
GROUND DEFENSE MUNITION STORAGE IGLOOS	560	
POST OFFICE	1,050	
VEHICLE MAINTENANCE FACILITY	2,350	
SPANGDAHLEM AB		10,960
AUTHORIZED IN PRIOR YEAR		(1,600)
WUSCHHEIM		
GLCM-BASE CIVIL ENG PAVEMENTS/GROUND SHOP	310	
WUSCHHEIM		310
ZWEIBRUCKEN AB		
ALTERNATE LAUNCH/RECOVERY SURFACE (ALRS)	3,550	
CHEM WARFARE-AIR PHOTO INTERP FACILITY	950	
CHEM WARFARE-SQUADRON OPERATIONS FACILITY	1,940	
EDS-FORWARD STORAGE WAREHOUSE	1,100	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	2,750	
ZWEIBRUCKEN AB		10,290
**AIR FORCE		131,900
AUTHORIZED IN PRIOR YEAR		(4,200)
DEFENSE LEVEL ACTIVITIES		
ASCHAFFENBURG		
ELEMENTARY AND JUNIOR HIGH SCHOOL ADDITION	6,600	
ASCHAFFENBURG		6,600
BAD KISSINGEN		
ELEMENTARY SCHOOL ADDITION	1,330	
BAD KISSINGEN		1,330

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
DEFENSE LEVEL ACTIVITIES		
BAUMHOLDER		
SMITH ELEMENTARY SCHOOL ADDITION	1,600	
BAUMHOLDER		1,600
BOEBLINGEN		
DISPENSARY AND DENTAL CLINIC	3,650	
BOEBLINGEN		3,650
DEXHEIM		
ELEMENTARY SCHOOL ADDITION	2,430	
DEXHEIM		2,430
ERLANGEN		
ELEMENTARY SCHOOL ADDITION	3,220	
ERLANGEN		3,220
GELNHAUSEN		
ELEMENTARY SCHOOL ADDITION	1,130	
GELNHAUSEN		1,130
GRAFENWOEHR		
DISPENSARY AND DENTAL CLINIC	3,950	
ELEMENTARY SCHOOL ADDITION	2,500	
GRAFENWOEHR		6,450
HAHN AIR BASE		
HIGH SCHOOL ADDITION	3,470	
HAHN AIR BASE		3,470
HEIDELBERG		
ELEMENTARY AND HIGH SCHOOL	3,190	
HEIDELBERG		3,190
HESSISCH-OLDENDORF		
ELEMENTARY SCHOOL	2,310	
HESSISCH-OLDENDORF		2,310
HOHENFELS		
ELEMENTARY SCHOOL ADDITION	1,190	
HOHENFELS		1,190
KAISERLAUTERN AIR BASE		
ELEMENTARY AND HIGH SCHOOL ADDITION	7,880	
KAISERLAUTERN AIR BASE		7,880
KARLSRUHE		
DISPENSARY AND DENTAL CLINIC	6,800	
KARLSRUHE		6,800
NUERNBERG		
ELEMENTARY SCHOOL	8,580	
NUERNBERG		8,580
SCHWAEBISCH GMUEND		
ELEMENTARY SCHOOL ADDITION	1,640	
SCHWAEBISCH GMUEND		1,640
STUTTGART		
ELEMENTARY AND JUNIOR HIGH SCHOOL ADDITION	4,530	
STUTTGART		4,530
VILSECK		
DISPENSARY AND DENTAL CLINIC	5,600	
VILSECK		5,600

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GERMANY		
DEFENSE LEVEL ACTIVITIES		
WUERZBURG		
MIDDLE SCHOOL	7,760	
WUERZBURG		7,760
**DEFENSE LEVEL ACTIVITIES		79,360
DEFENSE LOGISTICS AGENCY		
DEF REUTILIZATION & MARKETING OFC BITBURG		
COVERED STORAGE	650	
DEF REUTILIZATION & MARKETING OFC BITBURG		650
FAMILY HOUSING		
ARMY		
CRAILSHEIN		
NEW CONSTRUCTION (40)	[4,100]	
CRAILSHEIN FAMILY HOUSING		[4,100]
DARMSTADT		
NEW CONSTRUCTION (40)	[3,150]	
DARMSTADT FAMILY HOUSING		[3,150]
ERLANGEN		
NEW CONSTRUCTION (106)	[9,400]	
ERLANGEN FAMILY HOUSING		[9,400]
HERZO BASE		
NEW CONSTRUCTION (34)	[3,300]	
HERZO BASE FAMILY HOUSING		[3,300]
MAINZ		
NEW CONSTRUCTION (20)	[1,850]	
MAINZ FAMILY HOUSING		[1,850]
SCHWEINFURT		
NEW CONSTRUCTION (90)	[8,400]	
SCHWEINFURT FAMILY HOUSING		[8,400]
VILSECK		
NEW CONSTRUCTION (224)	[21,000]	
VILSECK FAMILY HOUSING		[21,000]
WILDFLECKEN		
NEW CONSTRUCTION (24)	[2,050]	
WILDFLECKEN FAMILY HOUSING		[2,050]
**ARMY FAMILY HOUSING		[53,250]
AIR FORCE		
BITBURG AB		
NEW CONSTRUCTION (332)	[26,415]	
BITBURG AB FAMILY HOUSING		[26,415]
HAHN AB		
NEW CONSTRUCTION (150)	[11,300]	
HAHN AB FAMILY HOUSING		[11,300]
**AIR FORCE FAMILY HOUSING		[37,715]
**GERMANY		616,690
AUTHORIZED IN PRIOR YEAR STATE- 212		(14,300)
FAMILY HOUSING		[90,965]

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GREECE		
ARMY		
GREECE		
OPERATIONS BUILDING	560	
OPERATIONS BUILDING MODERNIZATION	730	
GREECE		1,290
AIR FORCE		
IRAKLION AS		
2ND ECHELON MEDICAL LOGISTICS STORAGE FAC	320	
IRAKLION AS		320
**GREECE		1,610
GREENLAND		
AIR FORCE		
SONDRESTROM AB		
UNACCOMPANIED PERSONNEL HOUSING	5,860	
SONDRESTROM AB		5,860
THULE AB		
ALTER SATCOM GROUND TERMINAL	1,540	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,200	
FIRE STATION	3,900	
SOLID STATE UNINTERRUPT POWER SUPPLY SPT	2,150	
THULE AB		9,790
**AIR FORCE		15,650
GUAM		
NAVY		
MOBILE CONSTR BATTALION CAMP COVINGTON		
BACHELOR HOUSING	15,500	
MOBILE CONSTR BATTALION CAMP COVINGTON		15,500
NAVAL COMM AREA MASTER STA WESTPAC GUAM		
FIRE PROTECTION SYSTEM	480	
NAVAL COMM AREA MASTER STA WESTPAC GUAM		480
NAVAL FACILITY		
SECURITY IMPROVEMENTS	820	
NAVAL FACILITY		820
NAVAL SECURITY GROUP DETACHMENT GUAM		
OCEAN SURVEILLANCE BUILDING ADDITION	2,150	
NAVAL SECURITY GROUP DETACHMENT GUAM		2,150
NAVAL SUPPLY DEPOT GUAM		
FLEET SUPPORT WAREHOUSE MODIFICATIONS	400	
NAVAL SUPPLY DEPOT GUAM		400
NAVY PUBLIC WORKS CENTER GUAM		
POWER PLANT MODIFICATIONS	1,080	
VEHICLE SERVICE CENTER	490	
NAVY PUBLIC WORKS CENTER GUAM		1,570
**NAVY		20,920
AIR FORCE		
ANDERSON AFB		
ALTER JET FUEL STORAGE FACILITIES	7,600	
ANDERSON AFB		7,600
ARMY RESERVE		
APRA HEIGHTS		
EQUIPMENT CONCENTRATION SITE/MAINT FAC	888	
APRA HEIGHTS		888
**GUAM		29,408

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
GUANTANAMO BAY, CUBA		
NAVY		
NAVAL STATION GUANTANAMO BAY		
STANDBY ELECTRIC POWER GENERATORS	2,600	
NAVAL STATION GUANTANAMO BAY		2,600
HONDURAS		
ARMY		
HONDURAS		
*CONTINGENCY FACILITY	4,900	
HONDURAS		4,900
AUTHORIZED IN PRIOR YEAR		(4,900)
ICELAND		
NAVY		
NAVAL AIR SATATION KEFLAVIK		
AIRFIELD PAVEMENTS	13,490	
FUEL FACILITIES	13,300	
MAINTENANCE HANGAR ALTERATIONS	350	
NAVAL AIR SATATION KEFLAVIK		27,140
NAVAL FACILITY KEFLAVIK		
STANDBY GENERATOR PLANT	1,570	
NAVAL FACILITY KEFLAVIK		1,570
**NAVY		28,710
AIR FORCE		
KEFLAVIK		
ACCOUNTING AND FINANCE FACILITY	1,600	
KEFLAVIK		1,600
FAMILY HOUSING		
NAVY		
NAVAL STATION KEFLAVIK		
NEW CONSTRUCTION (250)	[48,642]	
NAVAL STATION KEFLAVIK FAMILY HOUSING		[48,642]
**ICELAND		30,310
FAMILY HOUSING		[48,642]
ITALY		
ARMY		
CP DARBY		
BARRACKS	610	
CP DARBY		610
NAVY		
NAV COM AREA MASTER STATION MED NAPLES		
SIGONELLA TRANSMITTER FACILITY	8,250	
NAV COM AREA MASTER STATION MED NAPLES		8,250
NAVAL AIR STATION SIGONELLA		
CHAPEL FACILITIES	1,370	
NAVAL AIR STATION SIGONELLA		1,370
NAVAL SUPPORT ACTIVITY NAPLES		
AIR CARGO TERMINAL	5,500	
CMD CONTROL COMMS & INTELLIGENCE COMPLEX	18,000	
SUBMARINE MOORING FACILITY	1,570	
NAVAL SUPPORT ACTIVITY NAPLES		25,070
**NAVY		34,690

* AUTHORIZED IN PRIOR YEAR

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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

     ACTIVE, GUARD AND RESERVE FORCES           DATA AS OF 04 FEB 1986
    SPECIFIED OUTSIDE THE UNITED STATES
                ($ THOUSANDS)
STATE/COMP./INSTALLATION                           PROJ COST       TOTAL
-------------------PROJECT NAME---------------   ----------  ----------
ITALY
  AIR FORCE
    AVIANO AB
     UNACCOMPANIED ENLISTED PERSONNEL HOUSING          4,200
    *VISITING OFFICERS QUARTERS                        3,000
      AVIANO AB                                                   7,200
        AUTHORIZED IN PRIOR YEAR                                (3,000)

    CAMP DARBY
     SEGREGATED MAGAZINE                                 270
      CAMP DARBY                                                    270

    COMISO AB
     CHEM WARFARE-CENTRAL SECURITY CONTROL FAC         1,500
     CHEM WARFARE-WING COMMAND POST FACILITY           1,500
     GLCM-ARTS AND CRAFTS SHOP                           370
     GLCM-AUTOMOTIVE HOBBY SHOP                          410
    *GLCM-MILITARY CLOTHING SALES                        300
     GLCM-RECREATION LIBRARY                             230
      COMISO AB                                                   4,310
        AUTHORIZED IN PRIOR YEAR                                  (300)

    DECIMOMANNU AB
    *VISITING OFFICERS QUARTERS                          900
      DECIMOMANNU AB                                                900
        AUTHORIZED IN PRIOR YEAR                                  (900)

    SAN VITO AS
     2ND ECHELON MEDICAL LOGISTICS STORAGE FAC           490
     ALTER UNACCOMP ENLISTED PERSONNEL HOUSING         3,300
     VISITING OFFICER QUARTERS                         2,450
      SAN VITO AS                                                 6,240
                                                                ----------
  **AIR FORCE                                                    18,920
        AUTHORIZED IN PRIOR YEAR                                (4,200)

  DEFENSE LEVEL ACTIVITIES
    NAPLES
     ELEMENTARY AND HIGH SCHOOL                       19,590
     REPLACEMENT HOSPITAL                             29,300
      NAPLES                                                     48,890

***FAMILY HOUSING***

  ARMY
    LIVORNO
     NEW CONSTRUCTION (90)                           [7,700]
      LIVORNO
        FAMILY HOUSING                                          [7,700]
                                                                ----------
**ITALY                                                         103,110
        AUTHORIZED IN PRIOR YEAR                                (4,200)
        FAMILY HOUSING                                          [7,700]


JAPAN
  ARMY
    KAWAKAMI
     MEDICAL SUPPLY WAREHOUSE                          1,200
      KAWAKAMI                                                    1,200

  NAVY
    MARINE CORPS AIR STATION FUTENMA OKINAWA
     ENGINE MAINTENANCE SHOP                           3,440
     PASSENGER TERMINAL                                  830
      MARINE CORPS AIR STATION FUTENMA OKINAWA                    4,270


              * AUTHORIZED IN PRIOR YEAR
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FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
JAPAN		
NAVY		
MARINE CORPS BASE CAMP BUTLER OKINAWA		
BUILDING ENVIRONMENTAL IMPROVEMENTS	6,200	
ELECTRONICS & COMMUNICATIONS MAINT SHOP	2,750	
MARINE CORPS BASE CAMP BUTLER OKINAWA		8,950
**NAVY		13,220
AIR FORCE		
KADENA AB		
ADD-ALTER HYDRANT REFUELING SYS-PHASE II	7,100	
VEHICLE CORROSION CONTROL SUPPORT FACILITY	265	
KADENA AB		7,365
MISAWA AB		
COMMANDO PORT-IV-CONCRETE ARCH IGLOO MAG	3,050	
COMMANDO PORT-IV-MUNITIONS PRELOAD COMP	7,250	
MISAWA AB		10,300
TOTSUKA		
ADD TO TELECOMMUNICATIONS FACILITY	700	
TOTSUKA		700
YOKOSUKA		
ADD TO TELECOMMUNICATIONS FACILITY	600	
YOKOSUKA		600
YOKOTA AB		
JET FUEL STORAGE	4,900	
YOKOTA AB		4,900
**AIR FORCE		23,865
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT CHIMU WAN OKINAWA		
FUEL TANKAGE	6,640	
DEF FUEL SUPPORT POINT CHIMU WAN OKINAWA		6,640
DEF FUEL SUPPORT POINT TSURUMI		
FUEL TANKAGE	3,520	
DEF FUEL SUPPORT POINT TSURUMI		3,520
**DEFENSE LOGISTICS AGENCY		10,160
**JAPAN		48,445
KOREA		
ARMY		
CAMP CARROLL		
*MEDICAL SUPPLY WAREHOUSE	4,350	
STORAGE WAREHOUSE	920	
TACTICAL EQUIPMENT SHOP	820	
CAMP CARROLL		6,090
AUTHORIZED IN PRIOR YEAR		(4,350)
CAMP CASEY		
AUTOMATED FIELD FIRE RANGE	3,600	
BARRACKS	15,500	
COMMUNICATION/ELECTRONICS MAINTENANCE FACS	490	
TACTICAL EQUIPMENT SHOP MOD/ADDN	3,400	
TANK RANGE	1,950	
CAMP CASEY		24,940
CAMP CASTLE		
BARRACKS	1,950	

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES   DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KOREA		
ARMY		
CAMP CASTLE		
FLAMMABLE MATERIAL STORAGE	2,850	
CAMP CASTLE		4,800
CAMP ESSAYONS		
BARRACKS	1,850	
PHYSICAL FITNESS TRAINING CENTER	1,150	
CAMP ESSAYONS		3,000
CAMP GREAVES		
BARRACKS	2,350	
PHYSICAL FITNESS TRAINING CENTER	1,300	
TACTICAL EQUIPMENT SHOP	340	
CAMP GREAVES		3,990
CAMP HOVEY		
BARRACKS	4,650	
DINING FACILITY	4,350	
CAMP HOVEY		9,000
CAMP HOWZE		
BARRACKS	4,050	
TACTICAL EQUIPMENT SHOP	1,800	
CAMP HOWZE		5,850
CAMP HUMPHREYS		
AIRCRAFT MAINTENANCE HANGAR	1,500	
BARRACKS	5,700	
TACTICAL EQUIPMENT SHOP	5,900	
UNIT MAINTENANCE HANGAR	3,700	
CAMP HUMPHREYS		16,800
CAMP JACKSON		
BARRACKS	1,800	
CAMP JACKSON		1,800
CAMP LAGUARDIA		
AIRFIELD FIRE STATION	320	
BARRACKS	2,650	
CAMP LAGUARDIA		2,970
CAMP LIBBY		
TACTICAL EQUIPMENT SHOP	1,100	
CAMP LIBBY		1,100
CAMP LIBERTY BELL		
BARRACKS	780	
CAMP LIBERTY BELL		780
CAMP LONG		
BARRACKS MODERNIZATION	5,600	
CAMP LONG		5,600
CAMP MARKET		
UNACCOMPANIED OFFICERS HOUSING	540	
CAMP MARKET		540
CAMP NIMBLE		
BARRACKS	1,950	
CAMP NIMBLE		1,950
CAMP PAGE		
UNACCOMPANIED OFFICER HOUSING	1,400	
CAMP PAGE		1,400

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KOREA		
ARMY		
CAMP PELHAM		
BARRACKS	980	
TACTICAL EQUIPMENT SHOP	1,300	
CAMP PELHAM		2,280
CAMP RED CLOUD		
DINING FACILITY	2,250	
TACTICAL EQUIPMENT SHOP	2,300	
CAMP RED CLOUD		4,550
CAMP STANLEY		
BARRACKS	2,450	
DINING FACILITY	2,250	
CAMP STANLEY		4,700
H220		
BARRACKS	2,750	
H220		2,750
K-16 ARMY AIRFIELD		
FLIGHT SIMULATOR BUILDING	1,600	
TACTICAL EQUIPMENT SHOP	920	
K-16 ARMY AIRFIELD		2,520
LOC 177		
POWER UPGRADE	1,950	
LOC 177		1,950
PUSAN		
BARRACKS	1,500	
BARRACKS	5,900	
FIRE STATION	340	
GENERAL PURPOSE WAREHOUSE	3,800	
PHYSICAL FITNESS TRAINING CENTER	1,400	
PUSAN		12,940
SECOND INFANTRY		
BARRACKS	2,800	
ORGANIZATIONAL MAINTENANCE SHOP	2,350	
SECOND INFANTRY		5,150
TAEGU		
UNDERGROUND COMMAND AND CONTROL FACILITY	4,900	
TAEGU		4,900
YONGSON		
BARRACKS	2,500	
BATTALION HEADQUARTERS	760	
TACTICAL EQUIPMENT SHOP	2,500	
TACTICAL EQUIPMENT SHOP	1,000	
UPGRADE TACTICAL EQUIPMENT SHOP	1,000	
WIDEN ROAD	1,000	
YONGSON		8,760
** ARMY		141,110
AUTHORIZED IN PRIOR YEAR		(4,350)
AIR FORCE		
CAMP HUMPHREYS		
OPERATIONS/MAINT/STORAGE FACILITIES	8,300	
CAMP HUMPHREYS		8,300
CAMP RED CLOUD		
MAINTENANCE-STORAGE-VEHICLE/EQ PARKING	1,450	
CAMP RED CLOUD		1,450

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES SPECIFIED OUTSIDE THE UNITED STATES ($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
KOREA		
AIR FORCE		
KIMHAE AB		
PORTOMOD WAREHOUSE	570	
UNACCOMPANIED PERSONNEL HOUSING	3,050	
KIMHAE AB		3,620
KUNSAN AB		
ADD TO AIRCRAFT APRON	1,050	
AIRCRAFT MAINTENANCE MANAGEMENT FACILITY	2,050	
AIRCRAFT MAINTENANCE UNIT FACILITY	1,800	
ALTER ELECTRICAL DISTRIBUTION SYS-PH II	2,600	
BASE CIVIL ENGINEER FACILITY	840	
*CONSOLIDATED SUPPORT FACILITY	2,250	
PORTOMOD WAREHOUSE	600	
SECURITY LIGHTING SYSTEM	1,650	
UPGRADE WATER DISTRIBUTION	430	
KUNSAN AB		13,270
AUTHORIZED IN PRIOR YEAR		(2,250)
KWANG-JU AB		
PORTOMOD WAREHOUSE	600	
*UNACCOMPANIED OFFICER PERSONNEL HOUSING	650	
KWANG-JU AB		1,250
AUTHORIZED IN PRIOR YEAR		(650)
OSAN AB		
ADD-ALTER PRIMARY ELECTRICAL DIST SYSTEM	5,400	
AIRCRAFT MAINTENANCE FACILITIES	3,000	
ALTER AIRMEN DINING HALL	1,150	
CHAPEL CENTER	2,300	
MUNITIONS MAINT-STORAGE FACS-PHASE II	5,950	
OSAN AB		17,800
SUWON		
MUNITIONS MAINTENANCE AND STORAGE FACS	3,250	
PORTOMOD WAREHOUSE	600	
SUWON		3,850
TAEGU AB		
AIRMEN DINING HALL	2,350	
PORTOMOD WAREHOUSE	1,070	
UNACCOMPANIED OFFICER PERSONNEL HOUSING	1,750	
TAEGU AB		5,170
**AIR FORCE		54,710
AUTHORIZED IN PRIOR YEAR		(2,900)
DEFENSE LEVEL ACTIVITIES		
CAMP EDWARDS		
HEALTH/DENTAL CLINIC	1,800	
CAMP EDWARDS		1,800
CAMP LONG		
DISPENSARY/DENTAL CLINIC	1,850	
CAMP LONG		1,850
CAMP PELHAM		
TROOP AID STATION	720	
CAMP PELHAM		720
SEOUL		
HIGH SCHOOL UPGRADING	510	
SEOUL		510
**DEFENSE LEVEL ACTIVITIES		4,880

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION --------------------PROJECT NAME----------------	PROJ COST	TOTAL
KOREA		
DEFENSE LOGISTICS AGENCY		
DEF FUEL SUPPORT POINT TOEGYEWON		
FUEL TANKAGE	1,010	
DEF FUEL SUPPORT POINT TOEGYEWON		1,010
DEF REUTILIZATION & MARKETING OFC BUPYONG		
COVERED STORAGE	1,290	
DEF REUTILIZATION & MARKETING OFC BUPYONG		1,290
**DEFENSE LOGISTICS AGENCY		2,300
FAMILY HOUSING		
AIR FORCE		
OSAN AB		
NEW CONSTRUCTION (1)	[160]	
OSAN AB		
FAMILY HOUSING		[160]
**KOREA		203,000
AUTHORIZED IN PRIOR YEAR		(7,250)
FAMILY HOUSING		[160]
KWAJALEIN		
ARMY		
KWAJALEIN		
HARBOR/CHANNEL DREDGING	2,100	
MISSION CONTROL CENTER MODIFICATION	5,100	
MULTIPLE OBJECT TRACKING FACILITY	2,400	
UNACCOMPANIED OFFICERS HOUSING	11,000	
KWAJALEIN		20,600
STRATEGIC DEFENSE INITIATIVE ORGANIZATION		
MISSILE RANGE		
TARGET LAUNCH COMPLEX	1,340	
MISSILE RANGE		1,340
FAMILY HOUSING		
ARMY		
KWAJALEIN		
NEW CONSTRUCTION (136)	[23,000]	
KWAJALEIN		
FAMILY HOUSING		[23,000]
**KWAJALEIN		21,940
FAMILY HOUSING		[23,000]
MARIANA ISLANDS		
AIR FORCE		
SAIPAN		
PACBAR RADAR BARRIER III	5,200	
SAIPAN		5,200
MOROCCO		
AIR FORCE		
VARIOUS LOCATIONS-MOROCCO		
PETROLEUM RESUPPLY SYSTEM	25,400	
VARIOUS LOCATIONS-MOROCCO		25,400
NETHERLANDS		
AIR FORCE		
CAMP NEW AMSTERDAM		
ADD TO BASE SUPPLY COMPLEX	2,450	

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NETHERLANDS		
AIR FORCE		
CAMP NEW AMSTERDAM		
ADD-ALTER CHAPEL	1,300	
CHEM WARFARE-SQUADRON OPERATIONS FACILITY	930	
COMMUNICATIONS MAINTENANCE FACILITY	570	
CAMP NEW AMSTERDAM		5,250
WOENSDRECHT AB		
GLCM-BASE CIVIL ENGINEER COMPLEX	3,500	
GLCM-BASE SUPPLY COMPLEX	2,350	
GLCM-DINING HALL	1,600	
GLCM-FIRE STATION	1,000	
GLCM-HIGH FREQUENCY FACILITY	1,600	
GLCM-OPERATIONS/MAINTENANCE TRAINING FACS	1,700	
GLCM-SUBSISTENCE STORAGE FACILITY	1,050	
GLCM-TELECOMMUNICATIONS CENTER	1,000	
GLCM-TOWER SUPPORT	350	
GLCM-UNACCOMP ENLISTED PERSONNEL HOUSING	7,300	
GLCM-UNACCOMP OFFICERS PERSONNEL HOUSING	3,000	
GLCM-UTILITIES, PAVEMENTS AND ROADS	8,600	
GLCM-VEHICLE CORROSION CONTROL FACILITY	700	
GLCM-VEHICLE OPERATIONS COMPLEX	550	
WOENSDRECHT AB		34,300
**AIR FORCE		39,550
DEFENSE LEVEL ACTIVITIES		
CAMP NEW AMSTERDAM		
CLINIC/DENTAL CLINIC	6,000	
CAMP NEW AMSTERDAM		6,000
WOENDRECHT		
ELEMENTARY AND HIGH SCHOOL ADDITION	7,420	
WOENDRECHT		7,420
**DEFENSE LEVEL ACTIVITIES		13,420
**NETHERLANDS		52,970
OMAN		
AIR FORCE		
MASIRAH AB		
SW ASIA-CARETAKER CONTRACTOR SPT FACS	3,500	
MASIRAH AB		3,500
THUMRAIT AB		
SW ASIA-CARETAKER CONTRACTOR SPT FACS	3,400	
THUMRAIT AB		3,400
**AIR FORCE		6,900
PANAMA		
ARMY		
FORT KOBBE		
AIRCRAFT PARKING APRON EXTENSION	420	
FORT KOBBE		420
PHILIPPINES		
NAVY		
NAVAL AIR STATION CUBI POINT		
BACHELOR OFFICER QUARTERS	5,300	
NAVAL AIR STATION CUBI POINT		5,300

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
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($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
PHILIPPINES		
NAVY		
NAVAL COMMUNICATION STATION SAN MIGUEL		
FIRE PROTECTION SYSTEM	470	
NAVAL COMMUNICATION STATION SAN MIGUEL		470
NAVAL SHIP REPAIR FACILITY SUBIC BAY		
ABRASIVE BLAST FACILITY	1,770	
NAVAL SHIP REPAIR FACILITY SUBIC BAY		1,770
NAVAL STATION SUBIC BAY		
CONSTRUCTION BATTALION CAMP	1,710	
NAVAL STATION SUBIC BAY		1,710
NAVAL SUPPLY DEPOT SUBIC BAY		
DATA PROCESSING CENTER ADDITION	290	
NAVAL SUPPLY DEPOT SUBIC BAY		290
NAVY PUBLIC WORKS CENTER SUBIC BAY		
FACILITY ENERGY IMPROVEMENTS	2,100	
NAVY PUBLIC WORKS CENTER SUBIC BAY		2,100
**NAVY		11,640
AIR FORCE		
CLARK AFB		
AEROSPACE SYS BRANCH/ENGINE DISPATCH FAC	1,050	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	1,850	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	3,150	
CHILD CARE CENTER	2,000	
COPE THUNDER OPERATIONS FACILITY	4,650	
ESSENTIAL MAINTENANCE FACILITIES-PHASE II	4,600	
FIRE STATION	760	
PARALLEL RUNWAY	32,500	
PETROLEUM OPERATIONS FACILITY	1,650	
PORTOMOD WAREHOUSE	460	
UPGRADE POWER PLANT-PHASE IV	8,600	
CLARK AFB		61,270
**PHILIPPINES		72,910
PORTUGAL		
AIR FORCE		
LAJES FIELD		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	4,750	
HYDRANT REFUELING SYSTEM	8,300	
UNACCOMPANIED OFFICER PERSONNEL HOUSING	2,700	
LAJES FIELD		15,750
PUERTO RICO		
NAVY		
LANT FLT WPNS TRAINING FAC ROOSEVELT ROADS		
LAND ACQUISITION	195	
RANGE OPERATIONS CENTER ADDITION	4,220	
LANT FLT WPNS TRAINING FAC ROOSEVELT ROADS		4,415
NAVAL SECURITY GROUP ACTIVITY SABANA SECA		
BACHELOR ENLISTED QUARTERS IMPROVEMENTS	790	
NAVAL SECURITY GROUP ACTIVITY SABANA SECA		790
NAVAL STATION ROOSEVELT ROADS		
CONSTRUCTION BATTALION EQUIPMENT MAIN FAC	3,930	
SECURITY FACILITIES	2,360	
UNDERWATER DEMOLITION TEAM FACILITIES	790	
NAVAL STATION ROOSEVELT ROADS		7,080
**NAVY		12,285

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
PUERTO RICO		
ARMY NATIONAL GUARD		
CAMP SANTIAGO (SALINAS)		
BRIDGE, HIGHWAY	148	
RANGE, COMBAT PISTOL	156	
RANGE, TANK TABLE VI	190	
CAMP SANTIAGO (SALINAS)		494
ARMY RESERVE		
FORT ALLEN		
ARMY RESERVE CENTER MAINT/STORAGE	7,784	
FORT ALLEN		7,784
**PUERTO RICO		20,563
SCOTLAND		
NAVY		
NAVAL SECURITY GROUP ACTIVITY EDZELL		
OCEAN SURVEILLANCE BUILDING ADDITIONS	2,250	
NAVAL SECURITY GROUP ACTIVITY EDZELL		2,250
SPAIN		
NAVY		
NAVAL STATION ROTA		
POL PIPELINE IMPROVEMENTS	4,600	
NAVAL STATION ROTA		4,600
AIR FORCE		
TORREJON AB		
SATELLITE COMMUNICATIONS GROUND TERMINAL	1,450	
TORREJON AB		1,450
ZARAGOZA AB		
2ND ECHELON MEDICAL LOGISTICS STORAGE FAC	540	
ZARAGOZA AB		540
**AIR FORCE		1,990
**SPAIN		6,590
TURKEY		
ARMY		
LOCATION 276		
BARRACKS MODERNIZATION	3,700	
LOCATION 276		3,700
AIR FORCE		
ANKARA		
CHAPEL CENTER	1,550	
CONSOLIDATED SUPPORT CENTER	3,050	
DINING HALL	1,250	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	930	
ANKARA		6,780
INCIRLIK AB		
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,250	
BASE SUPPLY ADMINISTRATION FACILITY	1,200	
DINING HALL	2,350	
*MEDICAL CONTINGENCY FACILITY	820	
POST OFFICE	510	
VEHICLE MAINTENANCE COMPLEX	4,800	
VISITING OFFICER QUARTERS	3,400	
WAREHOUSE	1,650	
INCIRLIK AB		16,980
AUTHORIZED IN PRIOR YEAR		(820)

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TURKEY		
AIR FORCE		
PIRINCLIK		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	3,000	
PIRINCLIK		3,000
**AIR FORCE		26,760
AUTHORIZED IN PRIOR YEAR		(820)
**TURKEY		30,460
AUTHORIZED IN PRIOR YEAR		(820)
UNITED KINGDOM		
NAVY		
NAVAL ACTIVITIES LONDON		
CONSOLIDATED PERSONNEL SUPPORT FACILITIES	1,180	
NAVAL ACTIVITIES LONDON		1,180
NAVAL COMMUNICATION STATION THURSO		
PERIMETER SECURITY FENCE	350	
NAVAL COMMUNICATION STATION THURSO		350
**NAVY		1,530
AIR FORCE		
MOLESWORTH		
CHEM WARFARE-CENTRAL SECURITY CONTROL FAC	1,050	
CHEM WARFARE-WING COMMAND POST FACILITY	1,050	
GLCM-BASE CIVIL ENGINEER COMPLEX	330	
MOLESWORTH		2,430
RAF ALCONBURY		
AIRCRAFT MAINTENANCE FACILITY	640	
ALTER UNACCOMP ENLISTED PERSONNEL HOUSING	2,450	
*BASE OPERATIONS FACILITY	900	
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	
GLCM-ADD/ALTER PHYSICAL TRAINING FACILITY	2,100	
GLCM-BASE THEATER	1,300	
GLCM-CONSOLIDATED SUPPORT CENTER	8,800	
TR1-AIRCRAFT MAINTENANCE FACILITY	680	
TR1-LIBRARY	1,050	
TR1-VISITING AIRMEN QUARTERS	1,300	
RAF ALCONBURY		20,420
AUTHORIZED IN PRIOR YEAR		(900)
RAF BENTWATERS		
2ND ECHELON MEDICAL LOGISTICS STORAGE FAC	1,250	
ALTER UNACCOMP ENLISTED PERS HOUSING	3,700	
CENTRAL POST OFFICE	650	
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	
RECREATION CENTER	2,250	
WATER STORAGE AND DISTRIBUTION SYSTEM	1,400	
RAF BENTWATERS		10,450
RAF CHICKSANDS		
ADD-ALTER WATER DISTRIBUTION SYSTEM	950	
RAF CHICKSANDS		950
RAF CROUGHTON		
TELECOMMUNICATIONS FACILITY	630	
RAF CROUGHTON		630
RAF FAIRFORD		
ADD-ALTER VEHICLE MAINTENANCE FACILITY	1,700	
ORG MAINT AND SUPPORT EQUIP COMPLEX	2,750	
RAF FAIRFORD		4,450

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
UNITED KINGDOM		
AIR FORCE		
RAF GREENHAM COMMON		
GLCM-TEMPORARY LIVING FACILITY	2,100	
RAF GREENHAM COMMON		2,100
RAF LAKENHEATH		
BASE SUPPLY STORAGE SHED	500	
*GYMNASIUM	2,500	
POST OFFICE	1,200	
RAF LAKENHEATH		4,200
AUTHORIZED IN PRIOR YEAR		(2,500)
RAF MARTLESHAM		
DIGITAL EUROPEAN BACKBONE FACILITY	1,650	
RAF MARTLESHAM		1,650
RAF MILDENHALL		
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	4,700	
RAF MILDENHALL		4,700
RAF UPPER HEYFORD		
ADD-ALTER VEHICLE MAINTENANCE SHOP	2,300	
DIGITAL EUROPEAN BACKBONE FACILITY	1,200	
UNACCOMP ENLISTED PERS HSG ALTERATION	4,500	
UNACCOMPANIED ENLISTED PERSONNEL HOUSING	6,000	
RAF UPPER HEYFORD		14,000
RAF WELFORD		
GROUND DEFENSE MUNITIONS STORAGE IGLOOS	830	
MUNITION SURVEILLANCE AND INSPECTION SHOP	760	
RAF WELFORD		1,590
RAF WETHERSFIELD		
2ND ECHELON MEDICAL LOGISTICS STORAGE FAC	650	
RAF WETHERSFIELD		650
RAF WOODBRIDGE		
CORROSION CONTROL FACILITY	3,400	
SUPPLY WAREHOUSE	1,650	
RAF WOODBRIDGE		5,050
**AIR FORCE		73,270
AUTHORIZED IN PRIOR YEAR		(3,400)
**UNITED KINGDOM		74,800
AUTHORIZED IN PRIOR YEAR		(3,400)
OVERSEAS CLASSIFIED		
ARMY		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT	4,000	
OVERSEAS CLASSIFIED		4,000
NAVY		
OVERSEAS CLASSIFIED		
MAGAZINES	15,700	
OVERSEAS CLASSIFIED		15,700
AIR FORCE		
BASE THIRTY		
TR1-UNACCOMP ENLISTED PERSONNEL HOUSING	2,950	
BASE THIRTY		2,950
BASE THIRTY THREE		
C130-ADD/ALTER FIRE STATION	770	

* AUTHORIZED IN PRIOR YEAR

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
SPECIFIED OUTSIDE THE UNITED STATES
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
OVERSEAS CLASSIFIED		
AIR FORCE		
BASE THIRTY THREE		
C130-CENTRAL SECURITY CONTROL	2,200	
C130-SENSITIVE COMPARTMENTED INFO FAC	1,500	
BASE THIRTY THREE		4,470
US AIR FORCES IN EUROPE		
CLASSIFIED PROJECT	11,500	
US AIR FORCES IN EUROPE		11,500
**AIR FORCE		18,920
FAMILY HOUSING		
NATIONAL SECURITY AGENCY		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT	[270]	
OVERSEAS CLASSIFIED FAMILY HOUSING		[270]
**OVERSEAS CLASSIFIED		38,620
FAMILY HOUSING		[270]
OVERSEAS VARIOUS		
ARMY		
VARIOUS LOCATIONS		
PRE-POSITIONED WAR MATERIAL FACILITIES	4,900	
VARIOUS LOCATIONS		4,900
AIR FORCE		
US AIR FORCES IN EUROPE		
AUXILIARY SEISMIC NETWORK	3,953	
US AIR FORCES IN EUROPE		3,953
**OVERSEAS VARIOUS		8,853

TOTALS

ARMY	596,676
AUTHORIZED IN PRIOR YEAR	(19,350)
FAMILY HOUSING	[83,950]
NAVY	156,605
FAMILY HOUSING	[48,642]
AIR FORCE	549,808
AUTHORIZED IN PRIOR YEAR	(15,980)
FAMILY HOUSING	[37,875]
DEFENSE AGENCIES	166,540
FAMILY HOUSING	[270]
SPECIFIED OUTSIDE THE UNITED STATES	1,469,629
AUTHORIZED IN PRIOR YEAR	(35,330)
FAMILY HOUSING	[170,737]

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES — DATA AS OF 04 FEB 1986
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
WORLDWIDE UNSPECIFIED		
NATO INFRASTRUCTURE		
DEFENSE LEVEL ACTIVITIES	267,000	
NATO INFRASTRUCTURE		267,000
ACCESS ROADS		
NAVY	5,400	
ACCESS ROADS		5,400
CONTINGENCY CONSTRUCTION		
DEFENSE LEVEL ACTIVITIES	5,000	
CONTINGENCY CONSTRUCTION		5,000
UNSPECIFIED MINOR CONSTRUCTION		
ARMY	20,000	
NAVY	15,000	
AIR FORCE	16,000	
DEFENSE LEVEL ACTIVITIES	4,000	
ARMY NATIONAL GUARD	4,647	
AIR NATIONAL GUARD	2,130	
ARMY RESERVE	1,100	
NAVY RESERVE	1,500	
AIR FORCE RESERVE	2,580	
UNSPECIFIED MINOR CONSTRUCTION		56,957
PLANNING AND DESIGN		
ARMY	131,640	
NAVY	143,770	
AIR FORCE	127,260	
DEFENSE LEVEL ACTIVITIES	110,700	
ARMY NATIONAL GUARD	19,000	
AIR NATIONAL GUARD	15,420	
ARMY RESERVE	11,300	
NAVY RESERVE	5,300	
AIR FORCE RESERVE	6,560	
PLANNING AND DESIGN		570,950
WORLDWIDE UNSPECIFIED		915,307
WORLDWIDE VARIOUS		
NAVY		
VARIOUS LOCATIONS-WORLDWIDE VARIOUS		
HOST NATION INFRASTRUCTURE SUPPORT	300	
VARIOUS LOCATIONS		300
DEFENSE LOGISTICS AGENCY		
VARIOUS LOCATIONS-WORLDWIDE VARIOUS		
CONFORMING STORAGE FACILITIES	21,400	
VARIOUS LOCATIONS		21,400
WORLDWIDE VARIOUS		21,700

FY 1987 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES
UNSPECIFIED WORLDWIDE
($ THOUSANDS)

DATA AS OF 04 FEB 1986

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
TOTALS		
ARMY		187,687
NAVY		171,270
AIR FORCE		169,950
DEFENSE AGENCIES		408,100
UNSPECIFIED WORLDWIDE		937,007

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FY 1987 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

                                                    DATA AS OF 04 FEB 1986
                    ($ THOUSANDS)
STATE/COMP./INSTALLATION                              PROJ COST        TOTAL
------------------PROJECT NAME---------------        ----------   ----------
ARMY
  NEW CONSTRUCTION
   ALASKA
    FORT WAINWRIGHT
     NEW CONSTRUCTION (150)                              33,000
      FORT WAINWRIGHT                                                 33,000

   CALIFORNIA
    FORT IRWIN
     NEW CONSTRUCTION (38)                                  730
      FORT IRWIN                                                         730

    FORT ORD
     NEW CONSTRUCTION (385)                              34,000
      FORT ORD                                                        34,000
      CALIFORNIA                                                      34,730

   LOUISIANA
    FORT POLK
     NEW CONSTRUCTION (583)                              37,000
      FORT POLK                                                       37,000

   MARYLAND
    ABERDEEN PROVING GROUND
     NEW CONSTRUCTION (140)                               9,700
     NEW CONSTRUCTION (70)                                1,100
      ABERDEEN PROVING GROUND                                         10,800

   NEW YORK
    FORT DRUM
     NEW CONSTRUCTION (1200)                             91,000
      FORT DRUM                                                       91,000

    SENECA ARMY DEPOT
     NEW CONSTRUCTION (30)                                2,900
      SENECA ARMY DEPOT                                                2,900
      NEW YORK                                                        93,900

   GERMANY
    CRAILSHEIN
     NEW CONSTRUCTION (40)                                4,100
      CRAILSHEIN                                                       4,100

    DARMSTADT
     NEW CONSTRUCTION (40)                                3,150
      DARMSTADT                                                        3,150

    ERLANGEN
     NEW CONSTRUCTION (106)                               9,400
      ERLANGEN                                                         9,400

    HERZO BASE
     NEW CONSTRUCTION  (34)                               3,300
      HERZO BASE                                                       3,300

    MAINZ
     NEW CONSTRUCTION (20)                                1,850
      MAINZ                                                            1,850

    SCHWEINFURT
     NEW CONSTRUCTION (90)                                8,400
      SCHWEINFURT                                                      8,400

    VILSECK
     NEW CONSTRUCTION (224)                              21,000
      VILSECK                                                         21,000

    WILDFLECKEN
     NEW CONSTRUCTION (24)                                2,050
      WILDFLECKEN                                                      2,050
      GERMANY                                                         53,250
```

FY 1987 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

DATA AS OF 04 FEB 1986

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
ARMY		
NEW CONSTRUCTION		
ITALY		
LIVORNO		
NEW CONSTRUCTION (90)	7,700	
LIVORNO		7,700
KWAJALEIN		
KWAJALEIN		
NEW CONSTRUCTION (136)	23,000	
KWAJALEIN		23,000
NEW CONSTRUCTION		293,380
CONSTRUCTION IMPROVEMENTS	146,000	146,000
PLANNING	24,000	24,000
TOTAL FAMILY HOUSING, ARMY CONSTRUCTION		463,380
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	120,815	
MANAGEMENT ACCOUNT	72,686	
MISCELLANEOUS ACCOUNT	650	
SERVICES ACCOUNT	44,719	
UTILITIES ACCOUNT	268,596	
OPERATING EXPENSES		507,466
LEASING	173,885	173,885
MAINTENANCE OF REAL PROPERTY	587,852	587,852
TOTAL FAMILY HOUSING, ARMY OPERATIONS		1,269,203
INTEREST PAYMENTS	347	347
MORTGAGE INSURANCE PREMIUMS	70	70
TOTAL FAMILY HOUSING, ARMY DEBT		417
GRAND TOTAL FAMILY HOUSING, ARMY		1,733,000
NAVY		
NEW CONSTRUCTION		
CALIFORNIA		
MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS		
NEW CONSTRUCTION (392)	33,900	
TRAILER PADS (075)	1,400	
MARCOR AIR-GRND COMB CTR TWENTYNINE PALMS		35,300
MARINE CORPS BASE CAMP PENDLETON		
TRAILER PADS (100)	1,800	
MARINE CORPS BASE CAMP PENDLETON		1,800
NAS MOFFETT FIELD		
NEW CONSTRUCTION (126)	11,600	
NAS MOFFETT FIELD		11,600
NAVAL STATION LONG BEACH		
NEW CONSTRUCTION (300)	22,900	
NAVAL STATION LONG BEACH		22,900
PUBLIC WORKS CENTER SAN FRANCISCO		
NEW CONSTRUCTION (300)	26,450	
PUBLIC WORKS CENTER SAN FRANCISCO		26,450
CALIFORNIA		98,050

FY 1987 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

DATA AS OF 04 FEB 1986

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
NAVY		
NEW CONSTRUCTION		
NEW YORK		
NAVAL STATION NEW YORK		
NEW CONSTRUCTION (300)	28,330	
NAVAL STATION NEW YORK		28,330
NORTH CAROLINA		
MARINE CORPS BASE CAMP LEJEUNE		
TRAILER PADS (075)	930	
MARINE CORPS BASE CAMP LEJEUNE		930
VIRGINIA		
MARCOR DEV EDUC COM QUANTICO		
TRAILER PADS (050)	790	
MARCOR DEV EDUC COM QUANTICO		790
ICELAND		
NAVAL STATION KEFLAVIK		
NEW CONSTRUCTION (250)	48,642	
NAVAL STATION KEFLAVIK		48,642
NEW CONSTRUCTION		176,742
CONSTRUCTION IMPROVEMENTS	51,580	51,580
PLANNING	2,000	2,000
TOTAL FAMILY HOUSING, NAVY CONSTRUCTION		230,322
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	14,124	
MANAGEMENT ACCOUNT	44,730	
MISCELLANEOUS ACCOUNT	437	
SERVICES ACCOUNT	31,553	
UTILITIES ACCOUNT	172,071	
OPERATING EXPENSES		262,915
LEASING	22,459	22,459
MAINTENANCE OF REAL PROPERTY	268,146	268,146
TOTAL FAMILY HOUSING, NAVY OPERATIONS		553,520
INTEREST PAYMENTS	268	268
MORTGAGE INSURANCE PREMIUMS	190	190
TOTAL FAMILY HOUSING, NAVY DEBT		458
GRAND TOTAL FAMILY HOUSING, NAVY		784,300
AIR FORCE		
NEW CONSTRUCTION		
ARIZONA		
DAVIS-MONTHAN AFB		
HOUSING MANAGEMENT OFFICE	300	
DAVIS-MONTHAN AFB		300
CALIFORNIA		
BEALE AFB		
MAINTENANCE SHOP	180	
BEALE AFB		180
EDWARDS AFB		
24 SPACE ADDITION MOBILE HOME PARK	376	
EDWARDS AFB		376
CALIFORNIA		556

FY 1987 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

DATA AS OF 04 FEB 1986

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
AIR FORCE		
NEW CONSTRUCTION		
COLORADO		
LA JUNTA		
NEW CONSTRUCTION (40)	4,000	
LA JUNTA		4,000
NEW JERSEY		
MCGUIRE AFB		
HOUSING MANAGEMENT OFFICE	325	
MCGUIRE AFB		325
NORTH CAROLINA		
POPE AFB		
HOUSING MANAGEMENT OFFICE	300	
POPE AFB		300
GERMANY		
BITBURG AB		
NEW CONSTRUCTION (332)	26,415	
BITBURG AB		26,415
HAHN AB		
NEW CONSTRUCTION (150)	11,300	
HAHN AB		11,300
GERMANY		37,715
KOREA		
OSAN AB		
NEW CONSTRUCTION (1)	160	
OSAN AB		160
NEW CONSTRUCTION		43,356
CONSTRUCTION IMPROVEMENTS	58,644	58,644
PLANNING	7,000	7,000
TOTAL FAMILY HOUSING, AIR FORCE CONSTRUCTION		109,000
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	48,872	
MANAGEMENT ACCOUNT	29,969	
MISCELLANEOUS ACCOUNT	6,462	
SERVICES ACCOUNT	23,992	
UTILITIES ACCOUNT	247,289	
OPERATING EXPENSES		356,584
LEASING	79,776	79,776
MAINTENANCE OF REAL PROPERTY	307,684	307,684
TOTAL FAMILY HOUSING, AIR FORCE OPERATIONS		744,044
INTEREST PAYMENTS	206	206
MORTGAGE INSURANCE PREMIUMS	250	250
TOTAL FAMILY HOUSING, AIR FORCE DEBT		456
GRAND TOTAL FAMILY HOUSING, AIR FORCE		853,500
DEFENSE MAPPING AGENCY		
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	2	
SERVICES ACCOUNT	3	

FY 1987 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

DATA AS OF 04 FEB 1986

($ THOUSANDS)

STATE/COMP./INSTALLATION PROJECT NAME	PROJ COST	TOTAL
DEFENSE MAPPING AGENCY		
OPERATING EXPENSES		
UTILITIES ACCOUNT	19	
OPERATING EXPENSES		24
LEASING	35	35
MAINTENANCE OF REAL PROPERTY	32	32
TOTAL FAMILY HOUSING, DMA		91
NATIONAL SECURITY AGENCY		
NEW CONSTRUCTION		
OVERSEAS CLASSIFIED		
OVERSEAS CLASSIFIED		
CLASSIFIED PROJECT	270	
OVERSEAS CLASSIFIED		270
NEW CONSTRUCTION		270
OPERATING EXPENSES		
MISCELLANEOUS ACCOUNT	578	
OPERATING EXPENSES		578
LEASING	5,651	5,651
MAINTENANCE OF REAL PROPERTY	245	245
TOTAL FAMILY HOUSING, NSA		6,744

DEF INTELLIGENCE AGENCY		
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	1,993	
OPERATING EXPENSES		1,993
LEASING	8,341	8,341
TOTAL FAMILY HOUSING, DIA		10,334
DEFENSE LOGISTICS AGENCY		
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	18	
SERVICES ACCOUNT	3	
UTILITIES ACCOUNT	178	
OPERATING EXPENSES		199
MAINTENANCE OF REAL PROPERTY	232	232
TOTAL FAMILY HOUSING, DLA		431
GRAND TOTAL FAMILY HOUSING, DEFENSE		17,600
ARMY		
PAYMENT TO HOMEOWNERS	150	150
OTHER OPERATING COSTS	1,550	1,550
ACQUISITION OF REAL PROPERTY	2,300	2,300
MORTGAGES ASSUMED	2,000	2,000
ARMY		6,000

Department of Defense

ATLAS/STATE DATA ABSTRACT FOR THE UNITED STATES

FISCAL YEAR 1984

WHS/DIOR DATA BASE
DATA SELECTION MENU
1. MANPOWER
2. PAYROLL OUTLAYS
3. PRIME CONTRACTS

OSD
WASHINGTON HEADQUARTERS SERVICES

whs

DIRECTORATE FOR INFORMATION
OPERATIONS AND REPORTS (DIOR)
THE PENTAGON, WASHINGTON, D.C.

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Georgia (GA)	13	30
Hawaii (HI)	14	32
Idaho (ID)	15	34
Illinois (IL)	16	36
Indiana (IN)	17	38
Iowa (IA)	18	40
Kansas (KS)	19	42
Kentucky (KY)	20	44
Louisiana (LA)	21	46
Maine (ME)	22	48
Maryland (MD)	23	50
Massachusetts (MA)	24	52
Michigan (MI)	25	54
Minnesota (MN)	26	56
Mississippi (MS)	27	58
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Rhode Island (RI)	43	90
South Carolina (SC)	44	92
South Dakota (SD)	45	94
Tennessee (TN)	46	96
Texas (TX)	47	98
Utah (UT)	48	100
Vermont (VT)	49	102
Virginia (VA)	50	104
Norfolk Area	51	106
Washington (WA)	52	108
Washington D C	53	110
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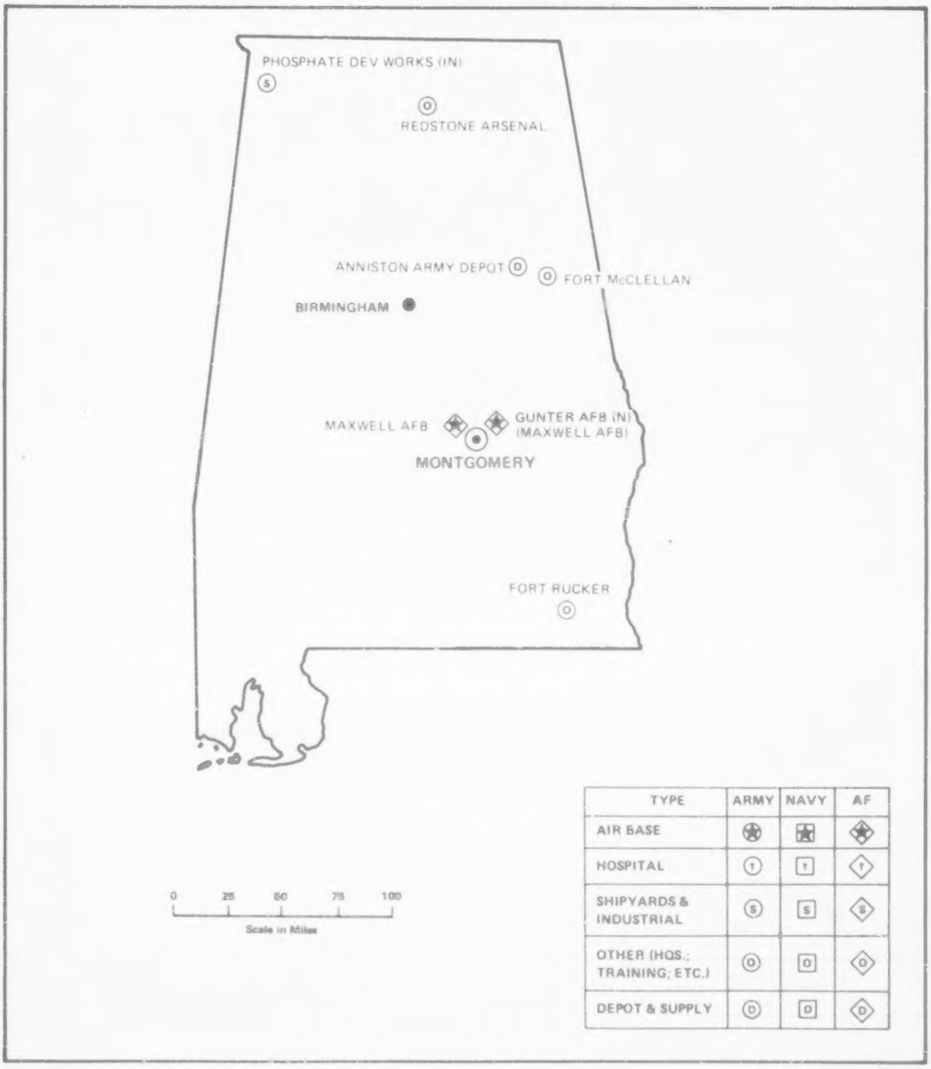
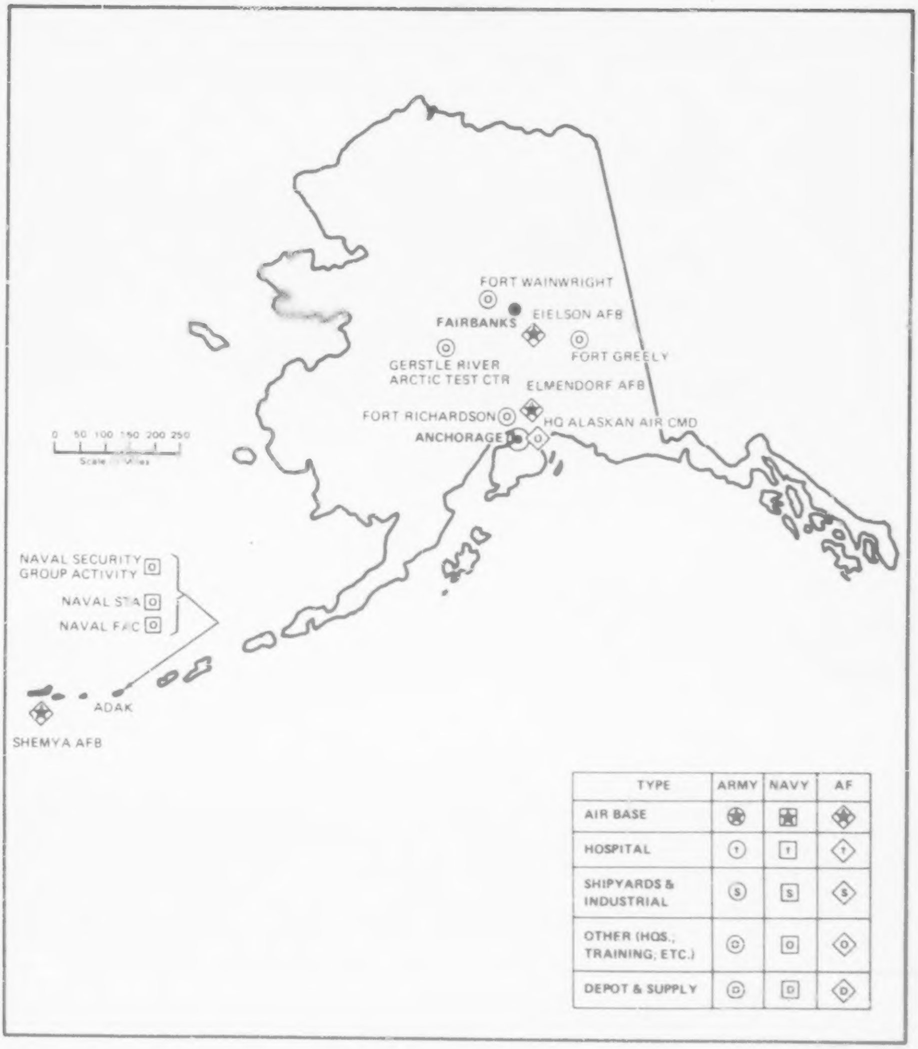
MAP NO. 1

ALABAMA


PHOSPHATE DEV WORKS (N)
REDSTONE ARSENAL
ANNISTON ARMY DEPOT
FORT McCLELLAN
BIRMINGHAM
MAXWELL AFB
GUNTER AFB (N) (MAXWELL AFB)
MONTGOMERY
FORT RUCKER
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

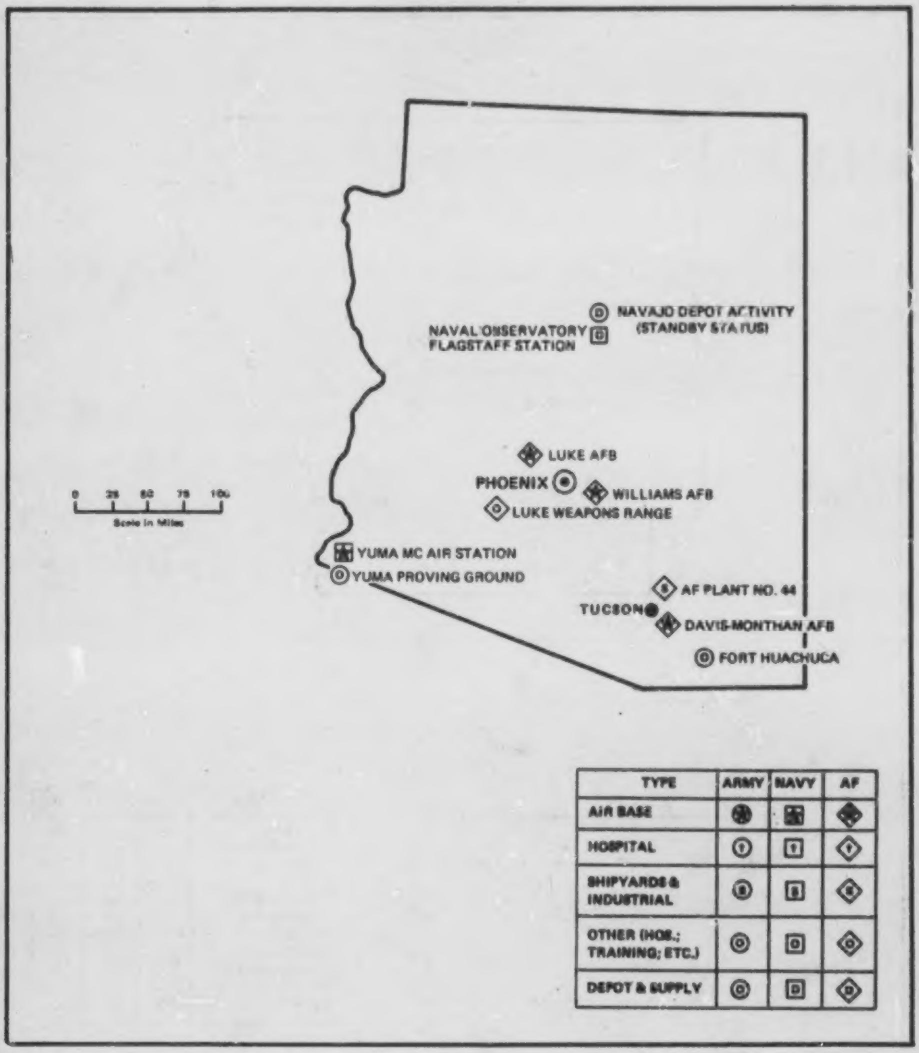
MAP NO. 2

ALASKA


FORT WAINWRIGHT
FAIRBANKS
EIELSON AFB
GERSTLE RIVER
ARCTIC TEST CTR
FORT GREELY
ELMENDORF AFB
FORT RICHARDSON
HQ ALASKAN AIR CMD
ANCHORAGE
0 50 100 150 200 250
Scale in Miles
NAVAL SECURITY GROUP ACTIVITY
NAVAL STA
NAVAL FAC
ADAK
SHEMYA AFB
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS., TRAINING, ETC.)
DEPOT & SUPPLY

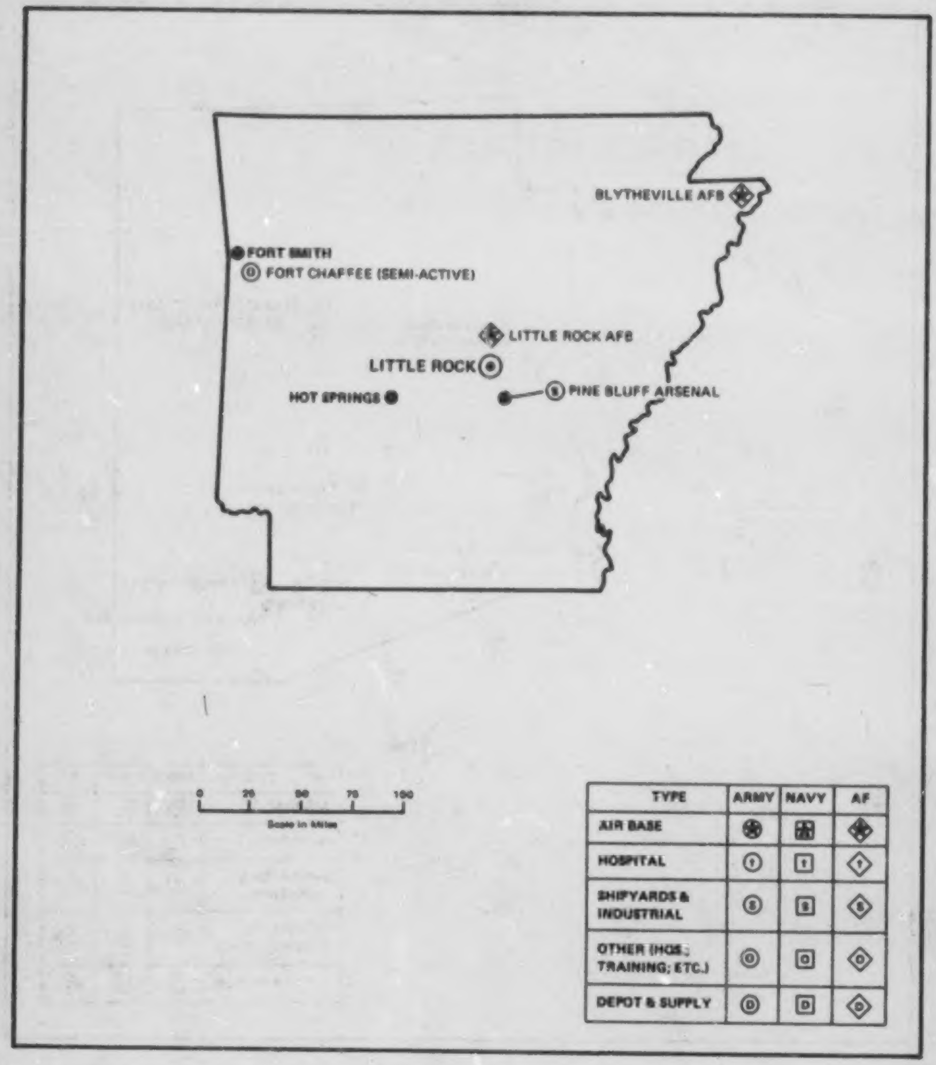
MAP NO. 3

ARIZONA


NAVAJO DEPOT ACTIVITY
(STANDBY STATUS)
NAVAL OBSERVATORY
FLAGSTAFF STATION
LUKE AFB
PHOENIX
WILLIAMS AFB
LUKE WEAPONS RANGE
0
25
50
75
100
Scale in Miles
YUMA MC AIR STATION
YUMA PROVING GROUND
AF PLANT NO. 44
TUCSON
DAVIS-MONTHAN AFB
FORT HUACHUCA
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

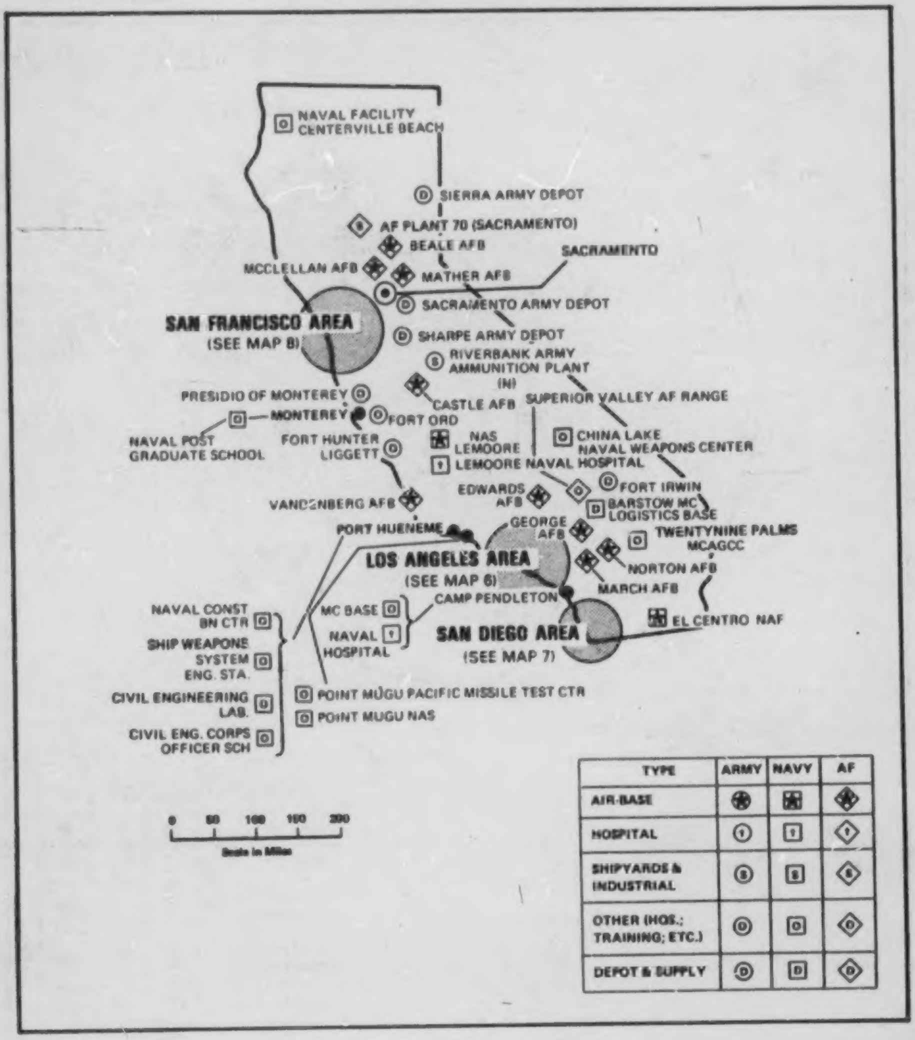
MAP NO. 4

ARKANSAS


BLYTHEVILLE AFB
FORT SMITH
FORT CHAFFEE (SEMI-ACTIVE)
LITTLE ROCK AFB
LITTLE ROCK
HOT SPRINGS
PINE BLUFF ARSENAL
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

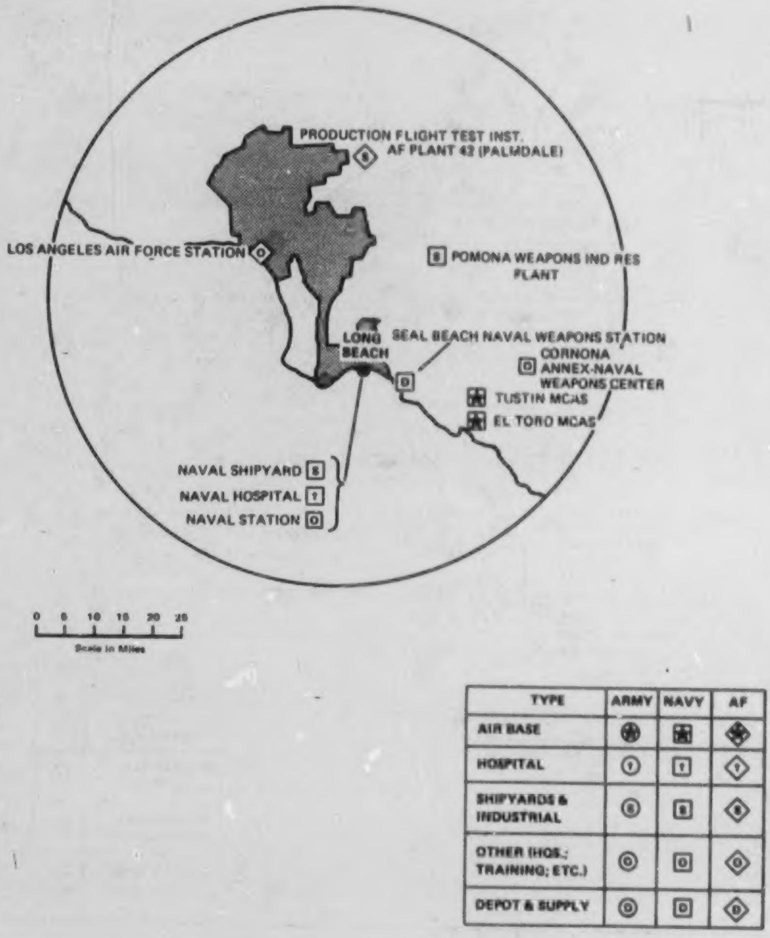
MAP NO. 5

CALIFORNIA


NAVAL FACILITY CENTERVILLE BEACH
SIERRA ARMY DEPOT
AF PLANT 70 (SACRAMENTO)
BEALE AFB
SACRAMENTO
MCCLELLAN AFB
MATHER AFB
SACRAMENTO ARMY DEPOT
SAN FRANCISCO AREA
(SEE MAP 8)
SHARPE ARMY DEPOT
RIVERBANK ARMY AMMUNITION PLANT (N)
PRESIDIO OF MONTEREY
CASTLE AFB
SUPERIOR VALLEY AF RANGE
MONTEREY
FORT ORD
NAVAL POST GRADUATE SCHOOL
FORT HUNTER LIGGETT
NAS LEMOORE
CHINA LAKE NAVAL WEAPONS CENTER
LEMOORE NAVAL HOSPITAL
EDWARDS AFB
FORT IRWIN
VANDENBERG AFB
BARSTOW MC LOGISTICS BASE
PORT HUENEME
GEORGE AFB
TWENTYNINE PALMS MCAGCC
LOS ANGELES AREA
(SEE MAP 6)
NORTON AFB
MARCH AFB
CAMP PENDLETON
NAVAL CONST BN CTR
MC BASE
EL CENTRO NAF
SHIP WEAPONS SYSTEM ENG. STA.
NAVAL HOSPITAL
SAN DIEGO AREA
(SEE MAP 7)
CIVIL ENGINEERING LAB.
POINT MUGU PACIFIC MISSILE TEST CTR
POINT MUGU NAS
CIVIL ENG. CORPS OFFICER SCH
0 50 100 150 200
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR-BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

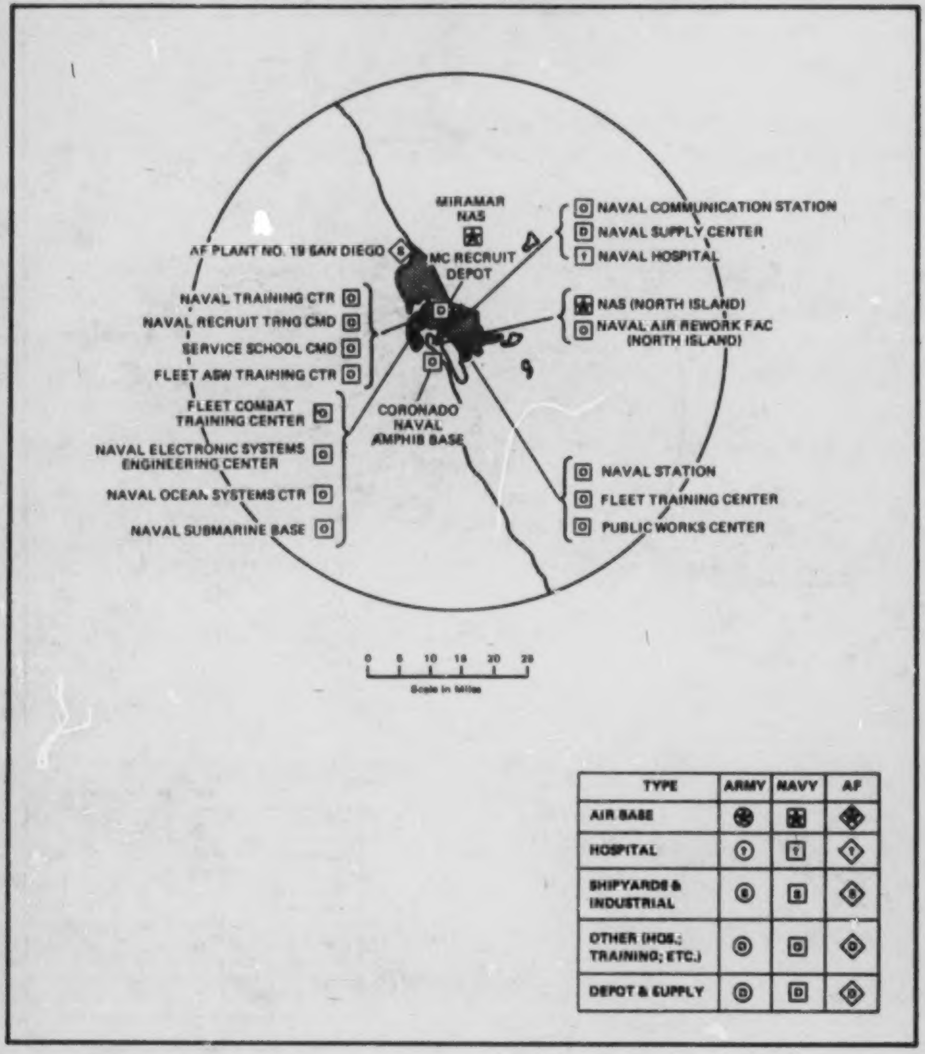
MAP NO. 6

LOS ANGELES AREA


PRODUCTION FLIGHT TEST INST.
AF PLANT 42 (PALMDALE)
LOS ANGELES AIR FORCE STATION
POMONA WEAPONS IND RES PLANT
LONG BEACH
SEAL BEACH NAVAL WEAPONS STATION
CORNONA ANNEX-NAVAL WEAPONS CENTER
TUSTIN MCAS
EL TORO MCAS
NAVAL SHIPYARD
NAVAL HOSPITAL
NAVAL STATION
0 5 10 15 20 25
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

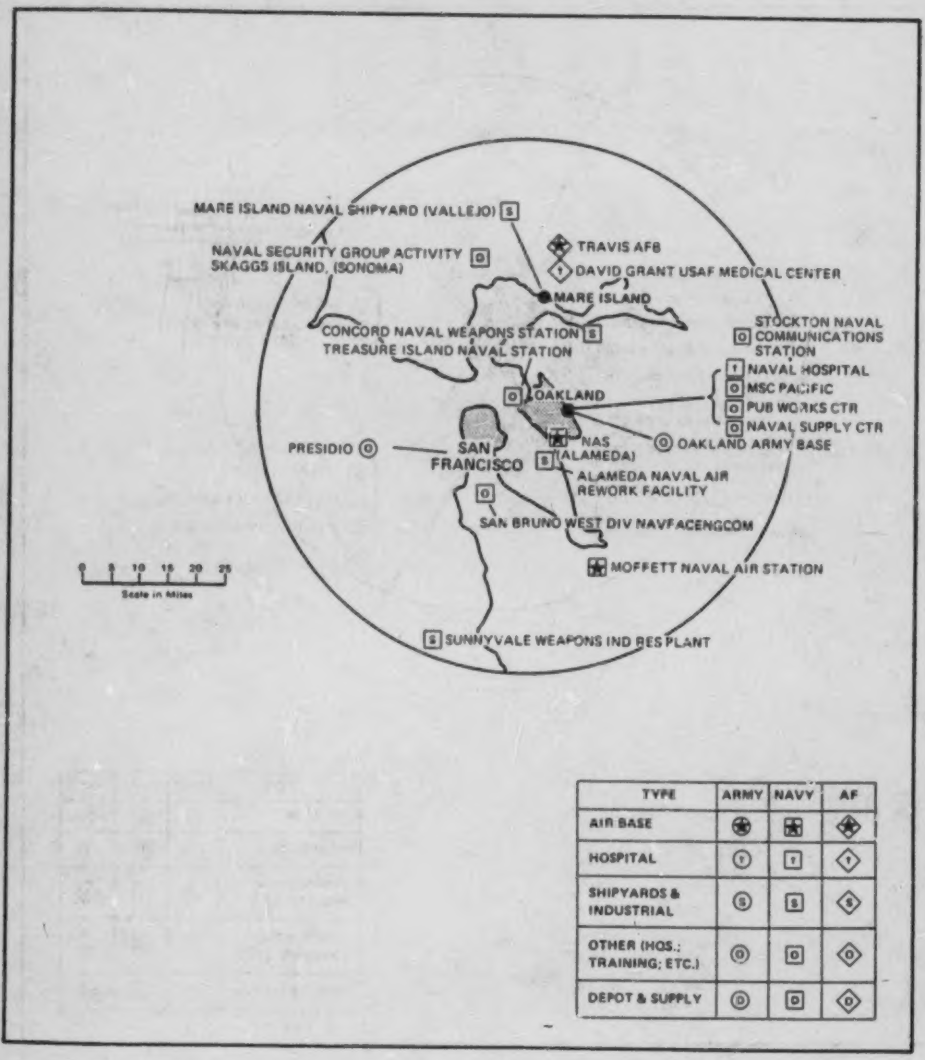
MAP NO. 7

SAN DIEGO AREA


MIRAMAR NAS
AF PLANT NO. 19 SAN DIEGO
MC RECRUIT DEPOT
NAVAL COMMUNICATION STATION
NAVAL SUPPLY CENTER
NAVAL HOSPITAL
NAS (NORTH ISLAND)
NAVAL AIR REWORK FAC (NORTH ISLAND)
NAVAL TRAINING CTR
NAVAL RECRUIT TRNG CMD
SERVICE SCHOOL CMD
FLEET ASW TRAINING CTR
FLEET COMBAT TRAINING CENTER
NAVAL ELECTRONIC SYSTEMS ENGINEERING CENTER
NAVAL OCEAN SYSTEMS CTR
NAVAL SUBMARINE BASE
CORONADO NAVAL AMPHIB BASE
NAVAL STATION
FLEET TRAINING CENTER
PUBLIC WORKS CENTER
0 5 10 15 20 25
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

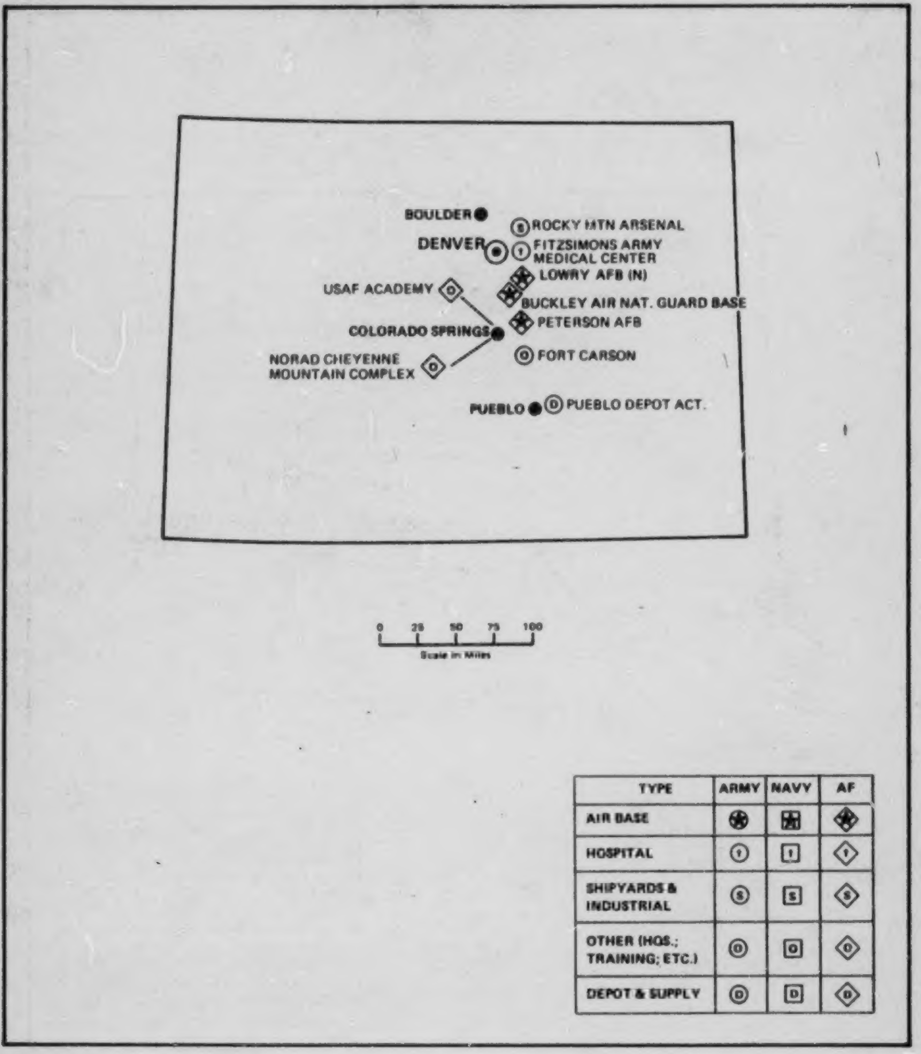
MAP NO. 8

SAN FRANCISCO AREA


MARE ISLAND NAVAL SHIPYARD (VALLEJO) S
NAVAL SECURITY GROUP ACTIVITY O
SKAGGS ISLAND, (SONOMA)
TRAVIS AFB
DAVID GRANT USAF MEDICAL CENTER
MARE ISLAND
CONCORD NAVAL WEAPONS STATION S
TREASURE ISLAND NAVAL STATION
STOCKTON NAVAL COMMUNICATIONS STATION
NAVAL HOSPITAL
MSC PACIFIC
PUB WORKS CTR
NAVAL SUPPLY CTR
OAKLAND
OAKLAND ARMY BASE
PRESIDIO
SAN FRANCISCO
NAS (ALAMEDA)
ALAMEDA NAVAL AIR REWORK FACILITY
SAN BRUNO WEST DIV NAVFACENGCOM
MOFFETT NAVAL AIR STATION
SUNNYVALE WEAPONS IND RES PLANT
0 5 10 15 20 25
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

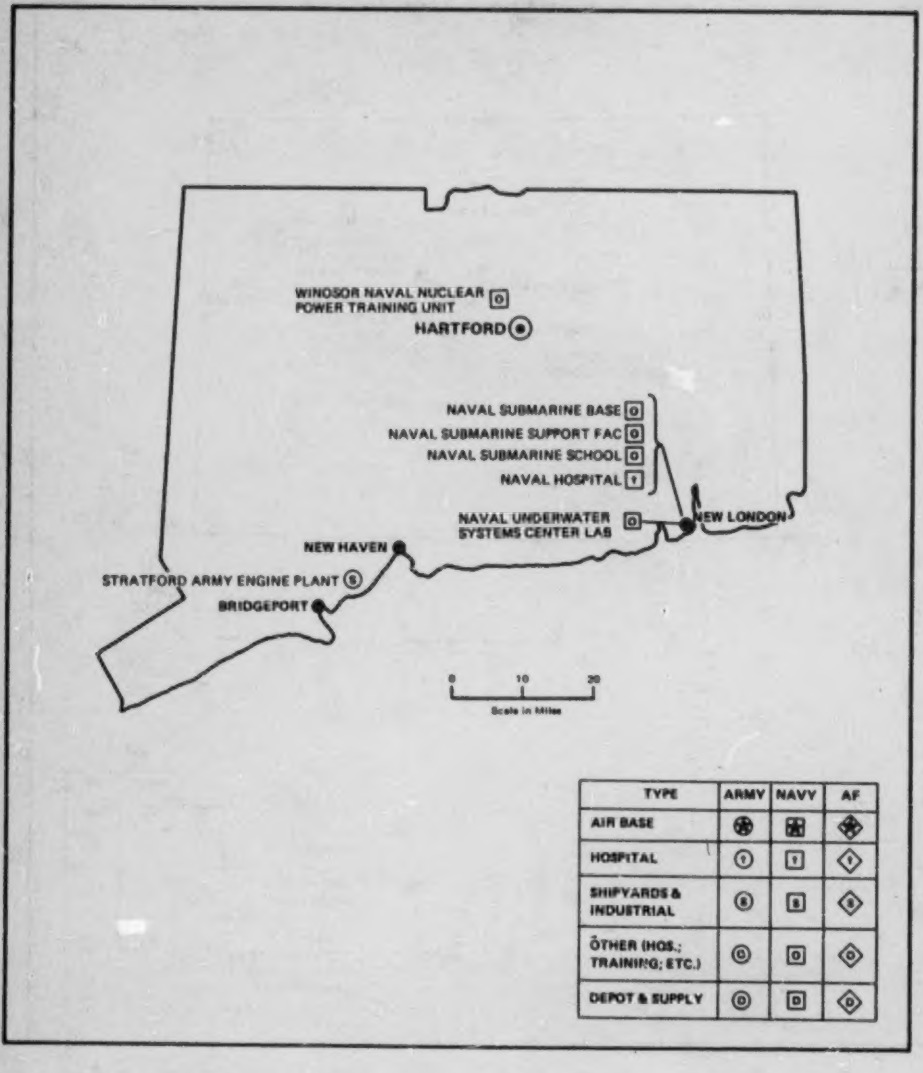
MAP NO. 9

COLORADO


BOULDER
ROCKY MTN ARSENAL
DENVER
FITZSIMONS ARMY MEDICAL CENTER
LOWRY AFB (N)
USAF ACADEMY
BUCKLEY AIR NAT. GUARD BASE
PETERSON AFB
COLORADO SPRINGS
FORT CARSON
NORAD CHEYENNE MOUNTAIN COMPLEX
PUEBLO
PUEBLO DEPOT ACT.
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

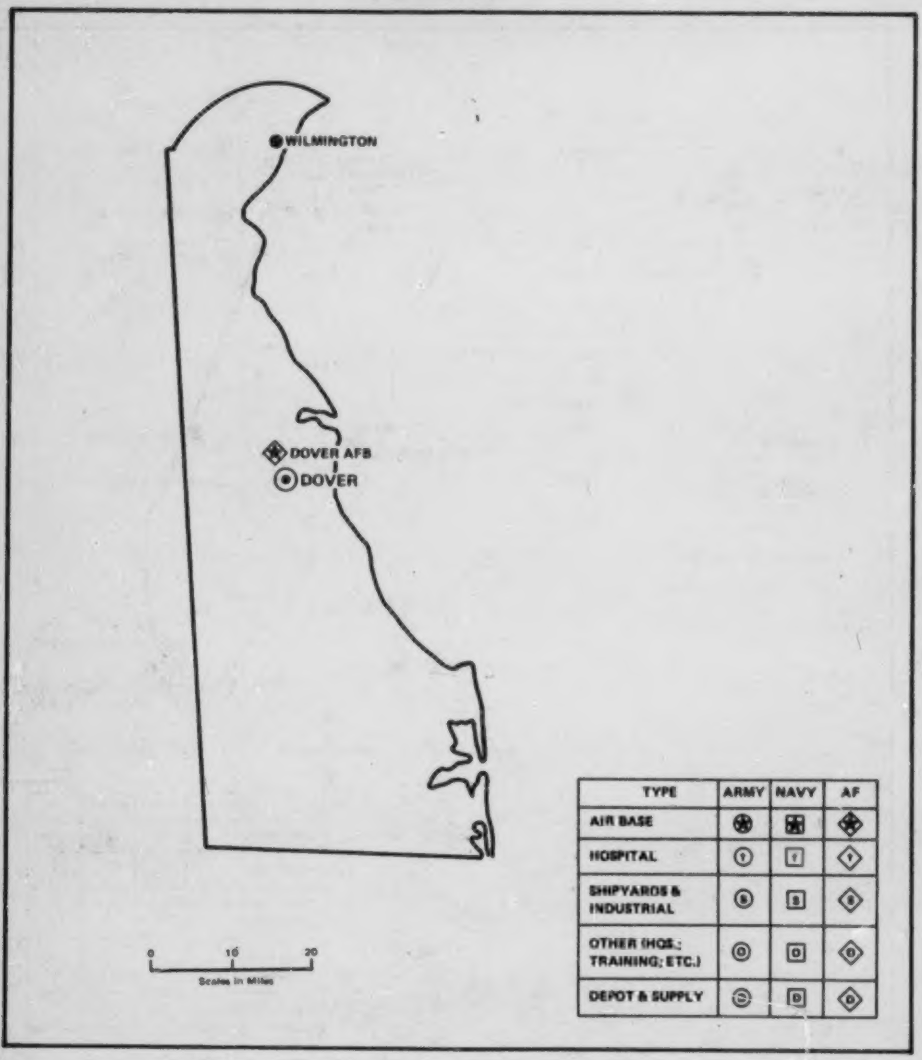
MAP NO. 10

CONNECTICUT


WINDSOR NAVAL NUCLEAR POWER TRAINING UNIT
HARTFORD
NAVAL SUBMARINE BASE
NAVAL SUBMARINE SUPPORT FAC
NAVAL SUBMARINE SCHOOL
NAVAL HOSPITAL
NAVAL UNDERWATER SYSTEMS CENTER LAB
NEW LONDON
NEW HAVEN
STRATFORD ARMY ENGINE PLANT
BRIDGEPORT
0
10
20
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

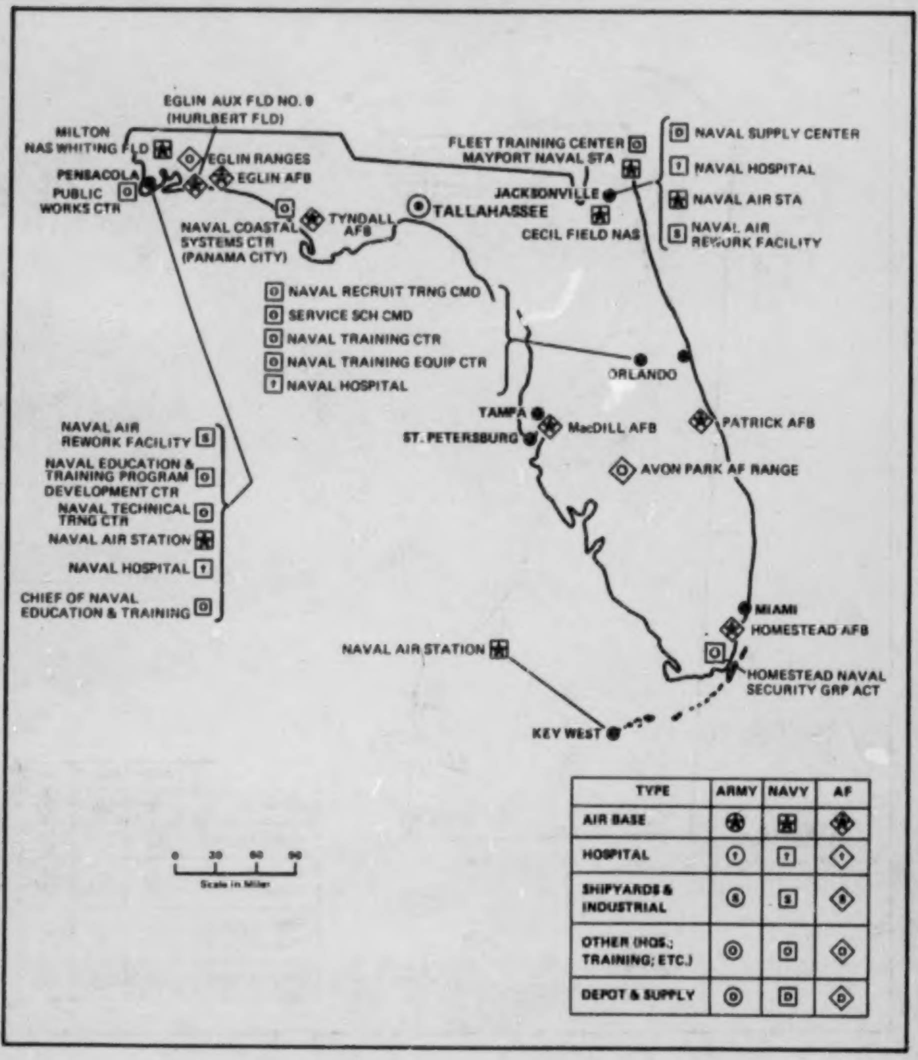
MAP NO. 11

DELAWARE


WILMINGTON
DOVER AFB
DOVER
0
10
20
Scales in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

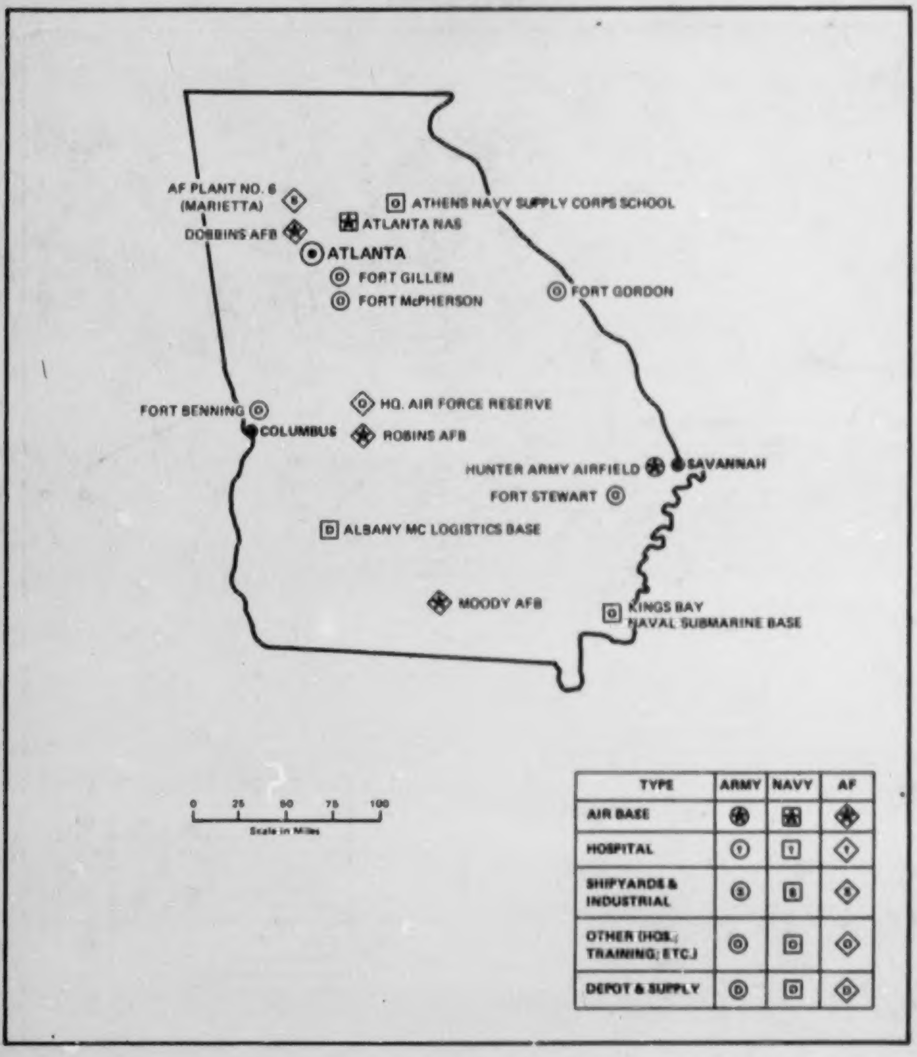
MAP NO. 12

FLORIDA


EGLIN AUX FLD NO. 9
(HURLBERT FLD)
MILTON
NAS WHITING FLD
EGLIN RANGES
PENSACOLA
EGLIN AFB
PUBLIC WORKS CTR
NAVAL COASTAL SYSTEMS CTR (PANAMA CITY)
TYNDALL AFB
TALLAHASSEE
FLEET TRAINING CENTER
MAYPORT NAVAL STA
JACKSONVILLE
CECIL FIELD NAS
NAVAL SUPPLY CENTER
NAVAL HOSPITAL
NAVAL AIR STA
NAVAL AIR REWORK FACILITY
NAVAL RECRUIT TRNG CMD
SERVICE SCH CMD
NAVAL TRAINING CTR
NAVAL TRAINING EQUIP CTR
NAVAL HOSPITAL
ORLANDO
TAMPA
MacDILL AFB
ST. PETERSBURG
PATRICK AFB
AVON PARK AF RANGE
NAVAL AIR REWORK FACILITY
NAVAL EDUCATION & TRAINING PROGRAM DEVELOPMENT CTR
NAVAL TECHNICAL TRNG CTR
NAVAL AIR STATION
NAVAL HOSPITAL
CHIEF OF NAVAL EDUCATION & TRAINING
MIAMI
HOMESTEAD AFB
HOMESTEAD NAVAL SECURITY GRP ACT
NAVAL AIR STATION
KEY WEST
0
30
60
90
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

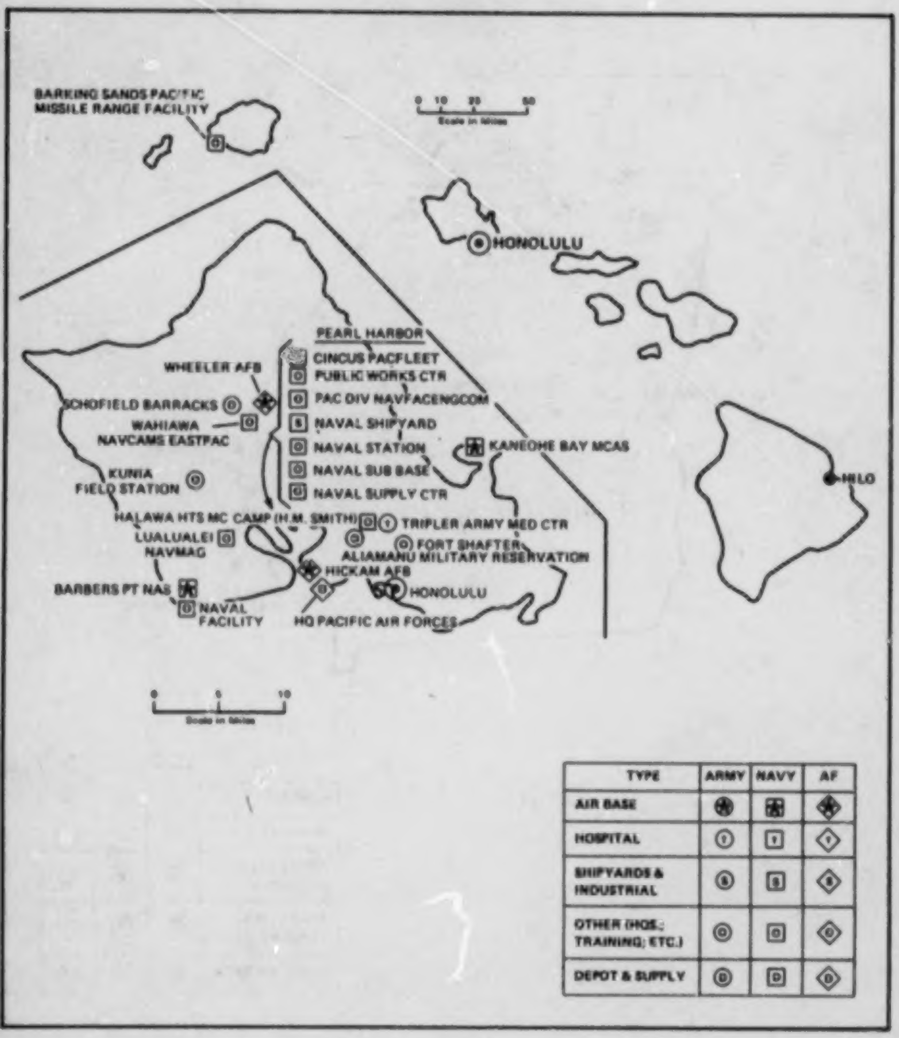
MAP NO. 13

GEORGIA


AF PLANT NO. 6
(MARIETTA)
DOBBINS AFB
ATHENS NAVY SUPPLY CORPS SCHOOL
ATLANTA NAS
ATLANTA
FORT GILLEM
FORT McPHERSON
FORT GORDON
FORT BENNING
COLUMBUS
HQ. AIR FORCE RESERVE
ROBINS AFB
HUNTER ARMY AIRFIELD
SAVANNAH
FORT STEWART
ALBANY MC LOGISTICS BASE
MOODY AFB
KINGS BAY
NAVAL SUBMARINE BASE
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

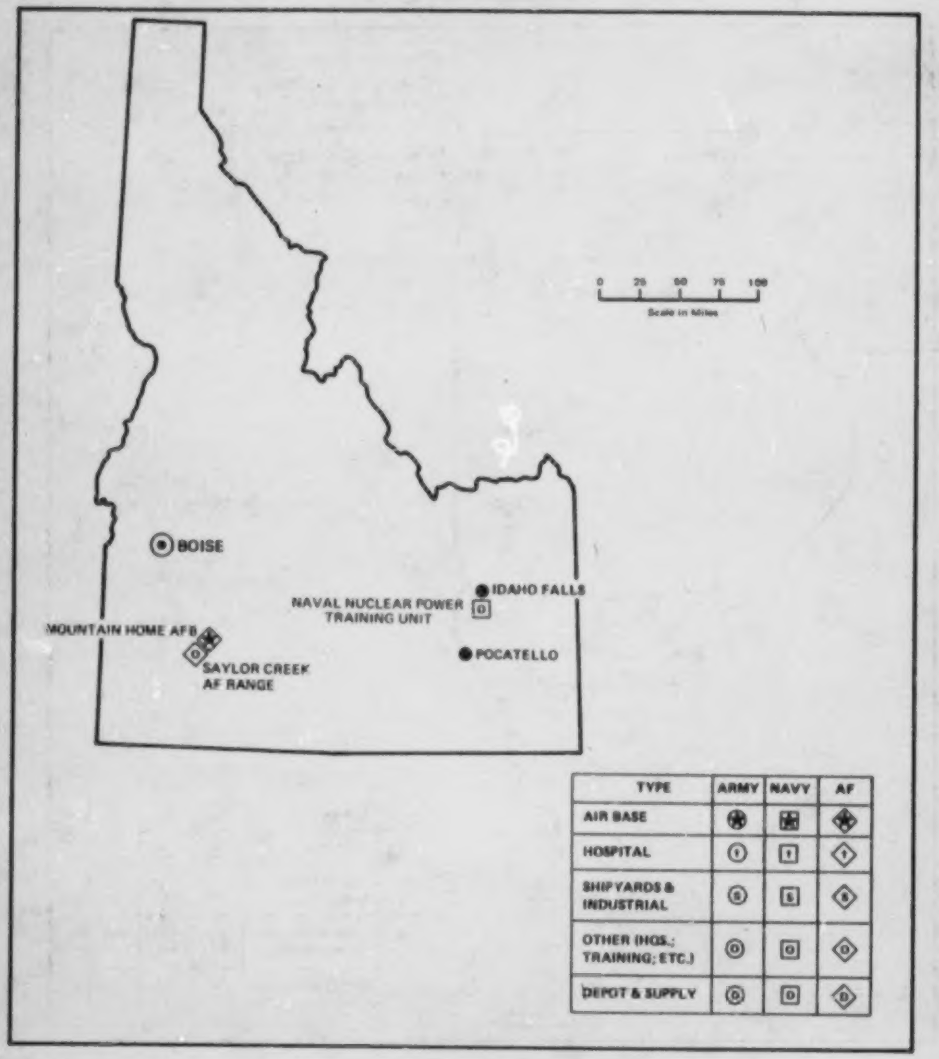
MAP NO. 14

HAWAII


BARKING SANDS PACIFIC MISSILE RANGE FACILITY
0 10 20 50
Scale in Miles
HONOLULU
HILO
PEARL HARBOR
CINCUS PACFLEET
PUBLIC WORKS CTR
PAC DIV NAVFACENGCOM
NAVAL SHIPYARD
NAVAL STATION
NAVAL SUB BASE
NAVAL SUPPLY CTR
WHEELER AFB
SCHOFIELD BARRACKS
WAHIAWA
NAVCAMS EASTPAC
KUNIA
FIELD STATION
KANEOHE BAY MCAS
HALAWA HTS MC CAMP (H.M. SMITH)
TRIPLER ARMY MED CTR
LUALUALEI
NAVMAG
FORT SHAFTER
ALIAMANU MILITARY RESERVATION
HICKAM AFB
BARBERS PT NAS
HONOLULU
NAVAL FACILITY
HQ PACIFIC AIR FORCES
0 5 10
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

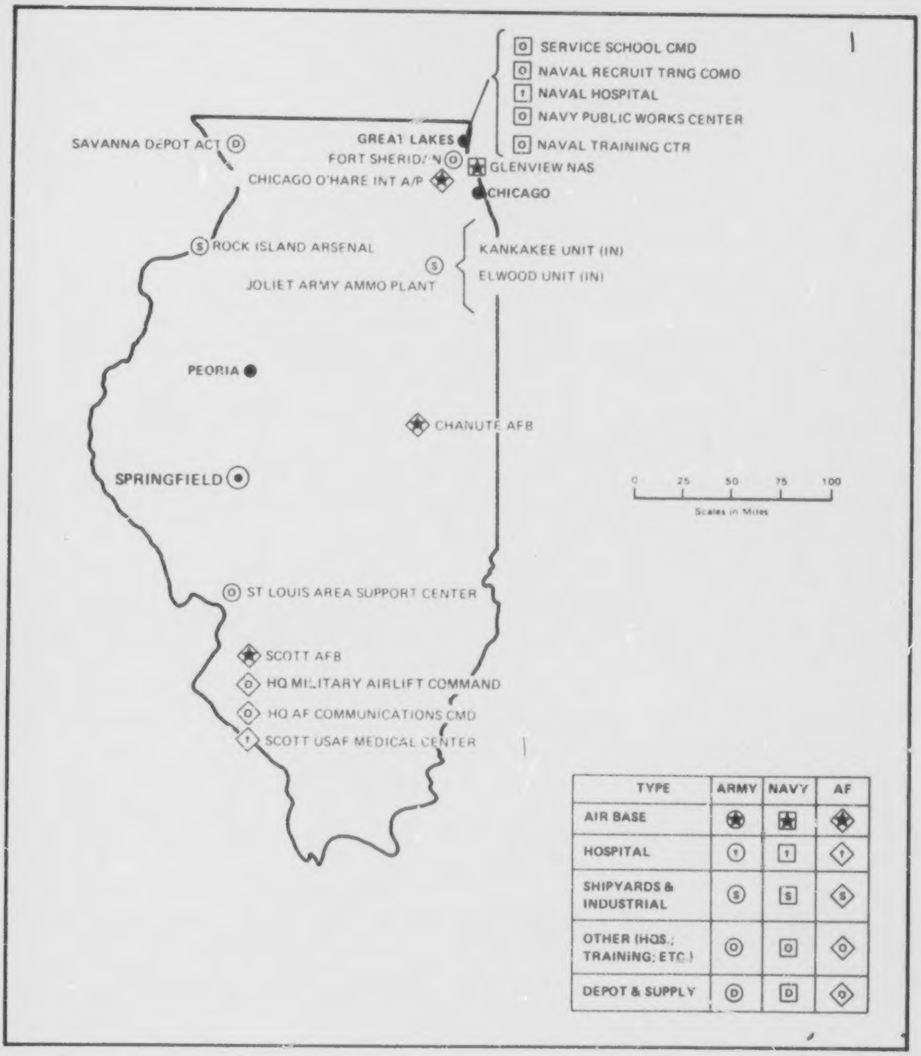
MAP NO. 15

IDAHO


0 25 50 75 100
Scale in Miles
BOISE
IDAHO FALLS
NAVAL NUCLEAR POWER TRAINING UNIT
MOUNTAIN HOME AFB
POCATELLO
SAYLOR CREEK AF RANGE
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

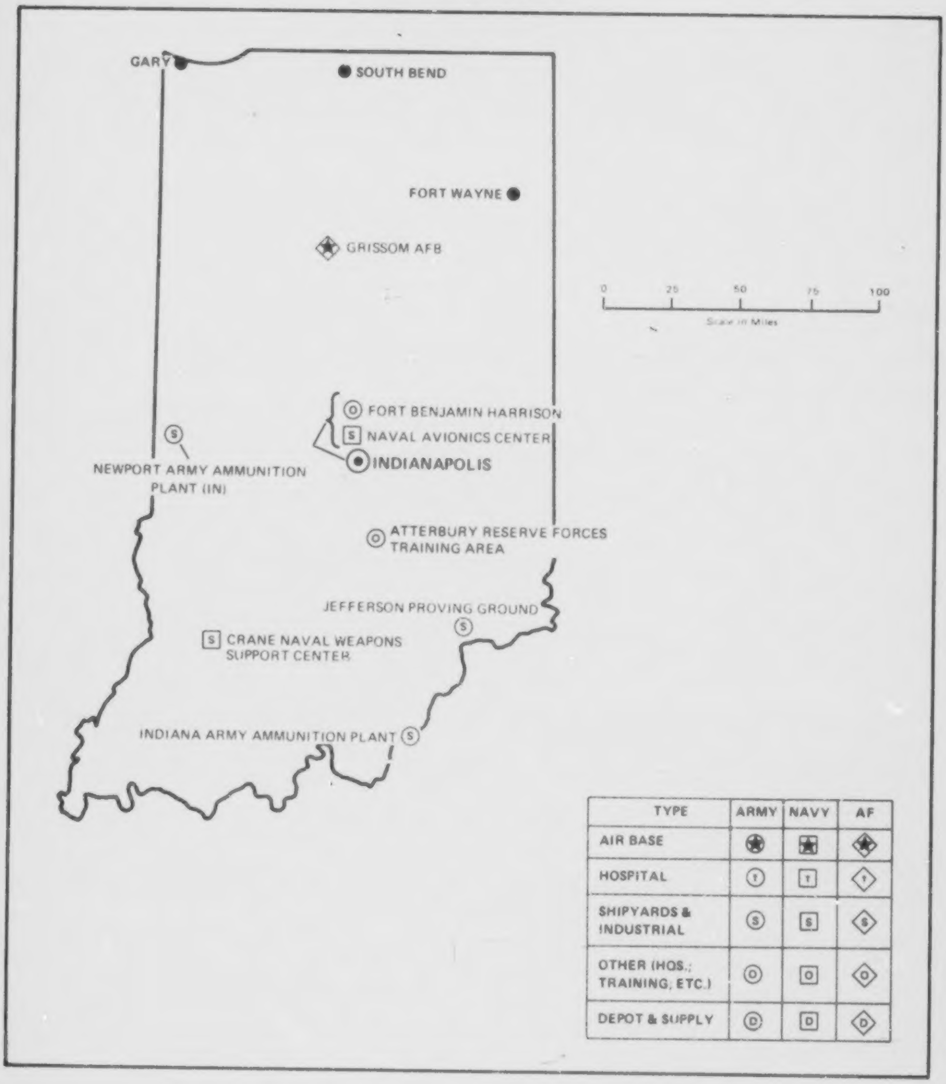
MAP NO. 16

ILLINOIS


SERVICE SCHOOL CMD
NAVAL RECRUIT TRNG COMD
NAVAL HOSPITAL
NAVY PUBLIC WORKS CENTER
NAVAL TRAINING CTR
SAVANNA DEPOT ACT
GREAT LAKES
FORT SHERIDAN
GLENVIEW NAS
CHICAGO O'HARE INT A/P
CHICAGO
ROCK ISLAND ARSENAL
KANKAKEE UNIT (IN)
ELWOOD UNIT (IN)
JOLIET ARMY AMMO PLANT
PEORIA
CHANUTE AFB
SPRINGFIELD
0 25 50 75 100
Scales in Miles
ST LOUIS AREA SUPPORT CENTER
SCOTT AFB
HQ MILITARY AIRLIFT COMMAND
HQ AF COMMUNICATIONS CMD
SCOTT USAF MEDICAL CENTER
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

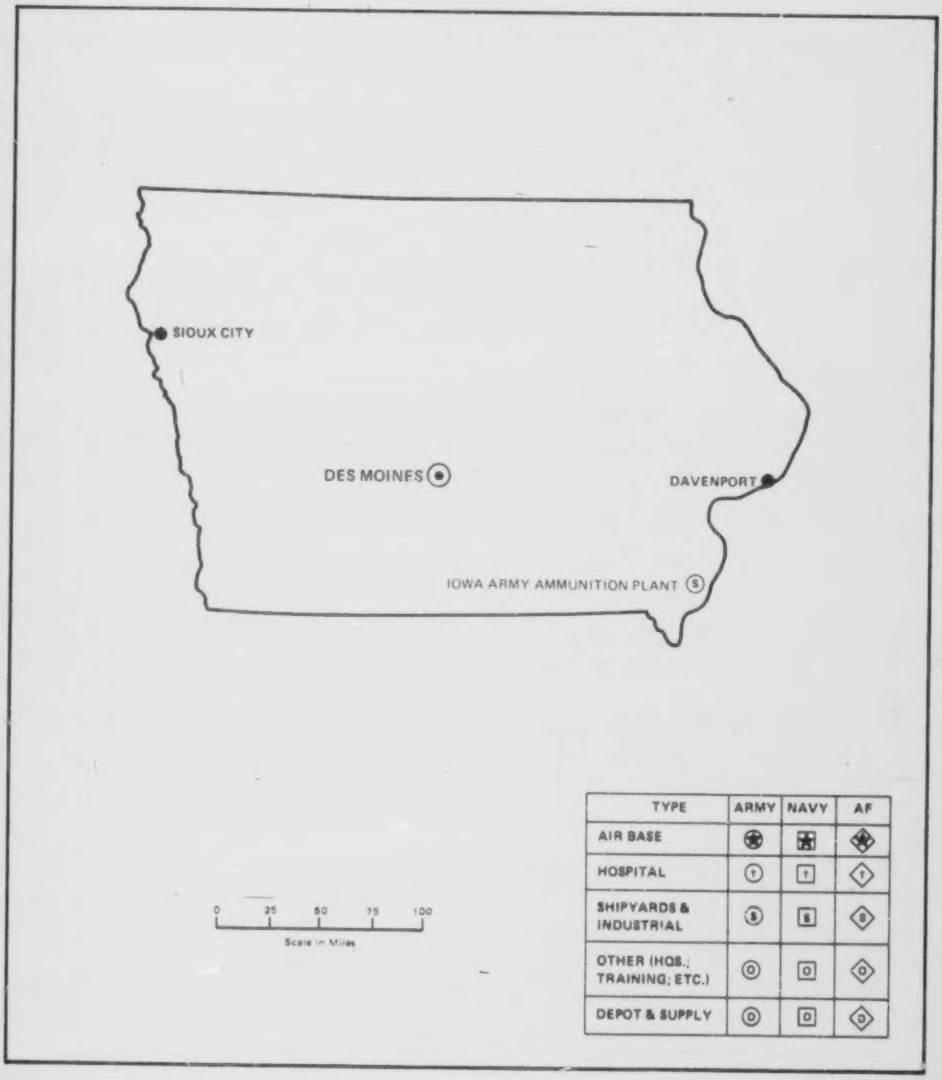
MAP NO. 17

INDIANA


GARY
SOUTH BEND
FORT WAYNE
GRISSOM AFB
0
25
50
75
100
Scale in Miles
FORT BENJAMIN HARRISON
NAVAL AVIONICS CENTER
INDIANAPOLIS
NEWPORT ARMY AMMUNITION PLANT (IN)
ATTERBURY RESERVE FORCES TRAINING AREA
JEFFERSON PROVING GROUND
CRANE NAVAL WEAPONS SUPPORT CENTER
INDIANA ARMY AMMUNITION PLANT
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING, ETC.)
DEPOT & SUPPLY

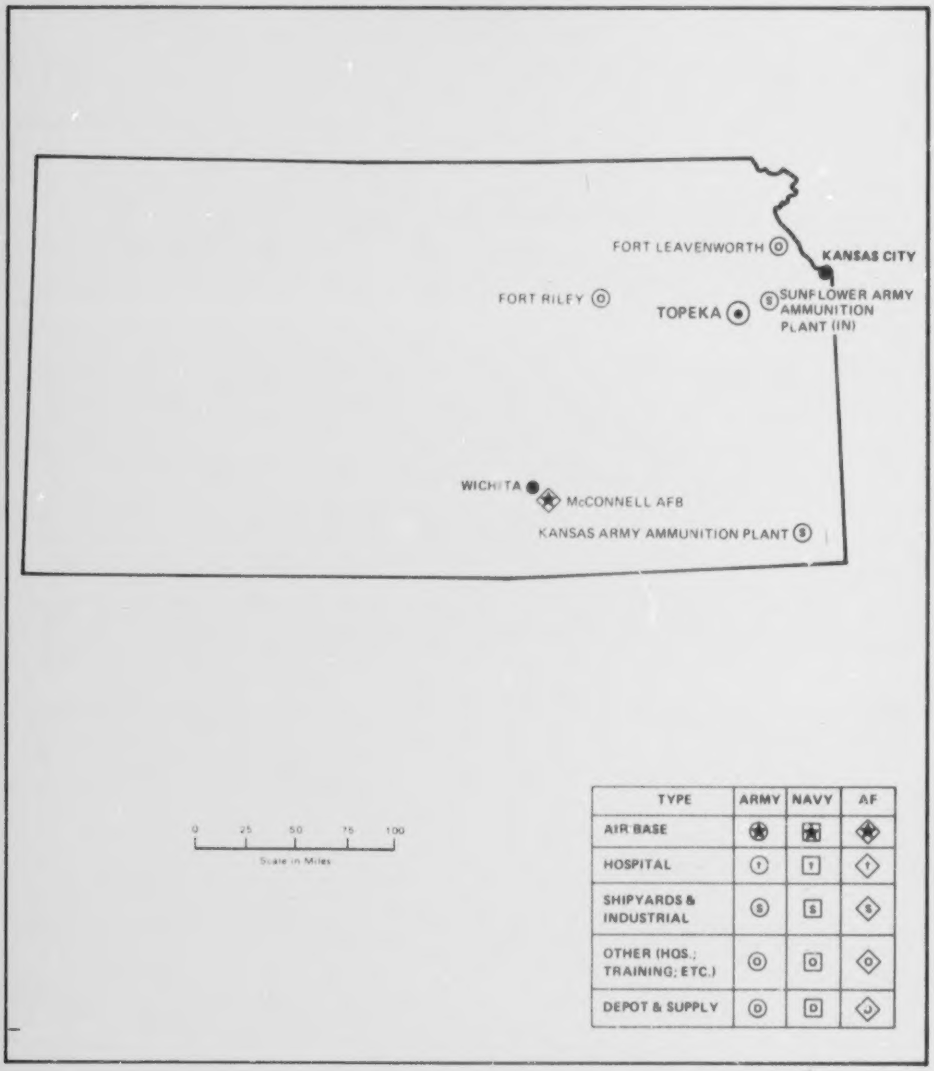
MAP NO. 18

IOWA


SIOUX CITY
DES MOINES
DAVENPORT
IOWA ARMY AMMUNITION PLANT
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

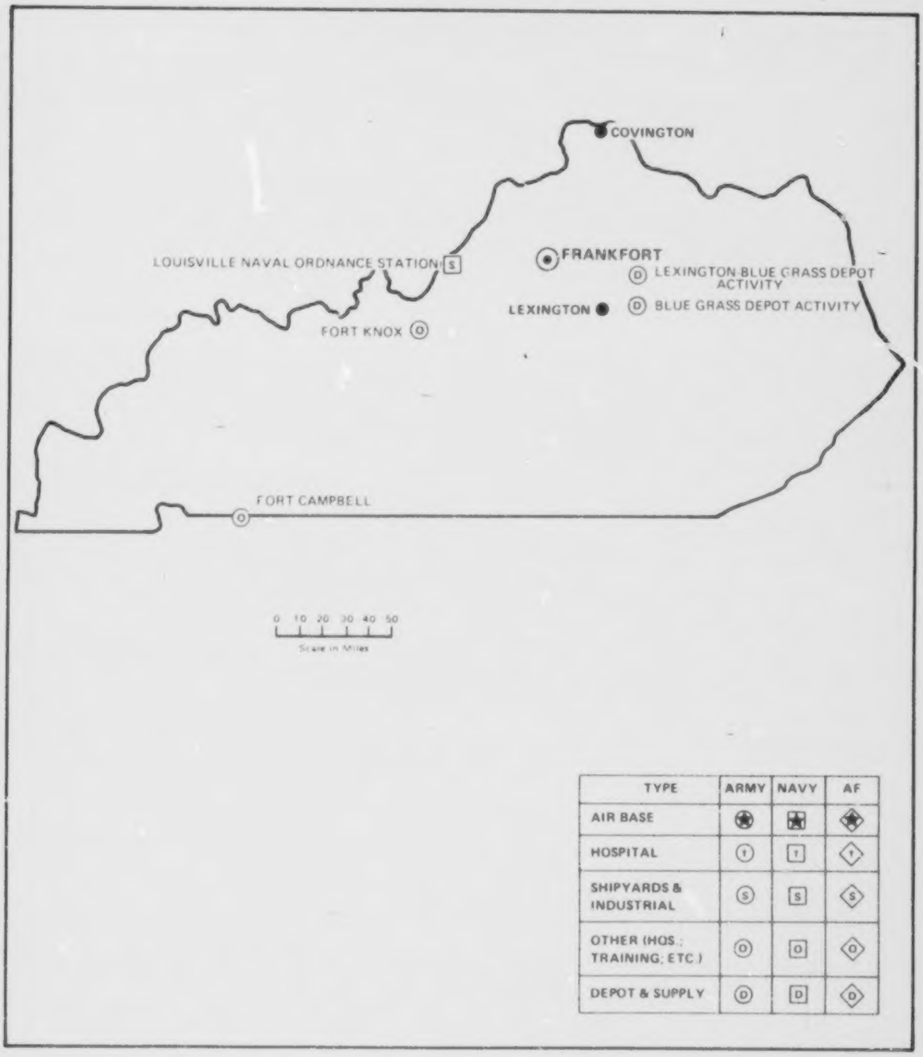
MAP NO. 19

KANSAS


FORT LEAVENWORTH
KANSAS CITY
FORT RILEY
TOPEKA
SUNFLOWER ARMY AMMUNITION PLANT (IN)
WICHITA
McCONNELL AFB
KANSAS ARMY AMMUNITION PLANT
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

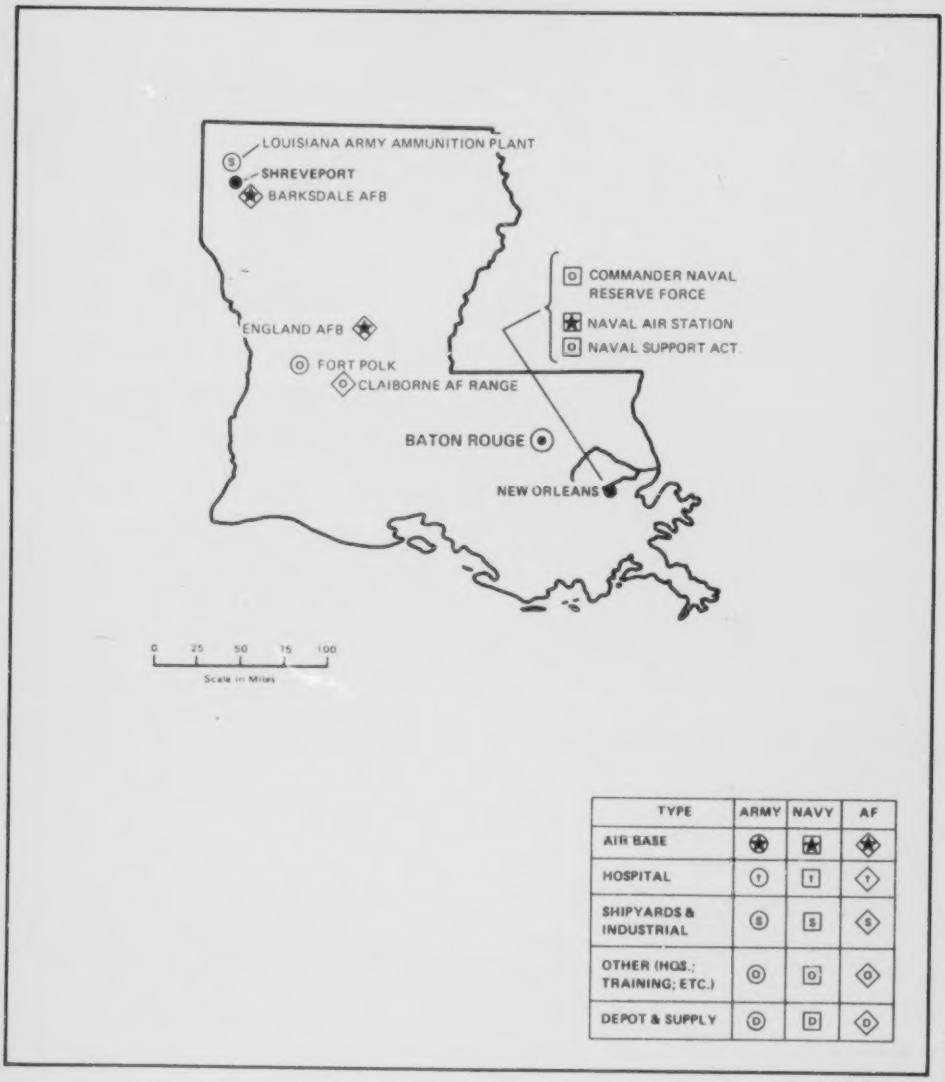
MAP NO. 20

KENTUCKY


COVINGTON
LOUISVILLE NAVAL ORDNANCE STATION
FRANKFORT
LEXINGTON-BLUE GRASS DEPOT ACTIVITY
LEXINGTON
BLUE GRASS DEPOT ACTIVITY
FORT KNOX
FORT CAMPBELL
0 10 20 30 40 50
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

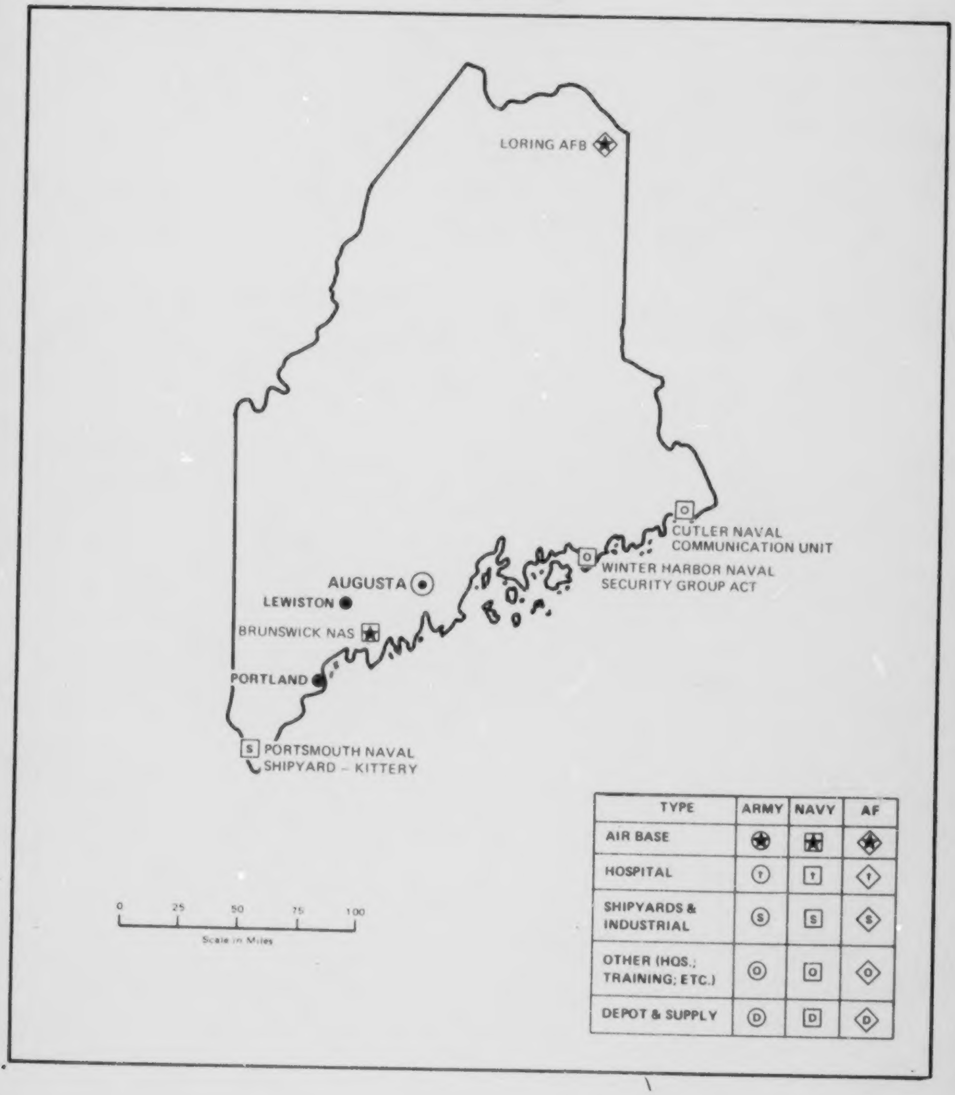
MAP NO. 21

LOUISIANA


LOUISIANA ARMY AMMUNITION PLANT
SHREVEPORT
BARKSDALE AFB
COMMANDER NAVAL RESERVE FORCE
NAVAL AIR STATION
NAVAL SUPPORT ACT.
ENGLAND AFB
FORT POLK
CLAIBORNE AF RANGE
BATON ROUGE
NEW ORLEANS
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

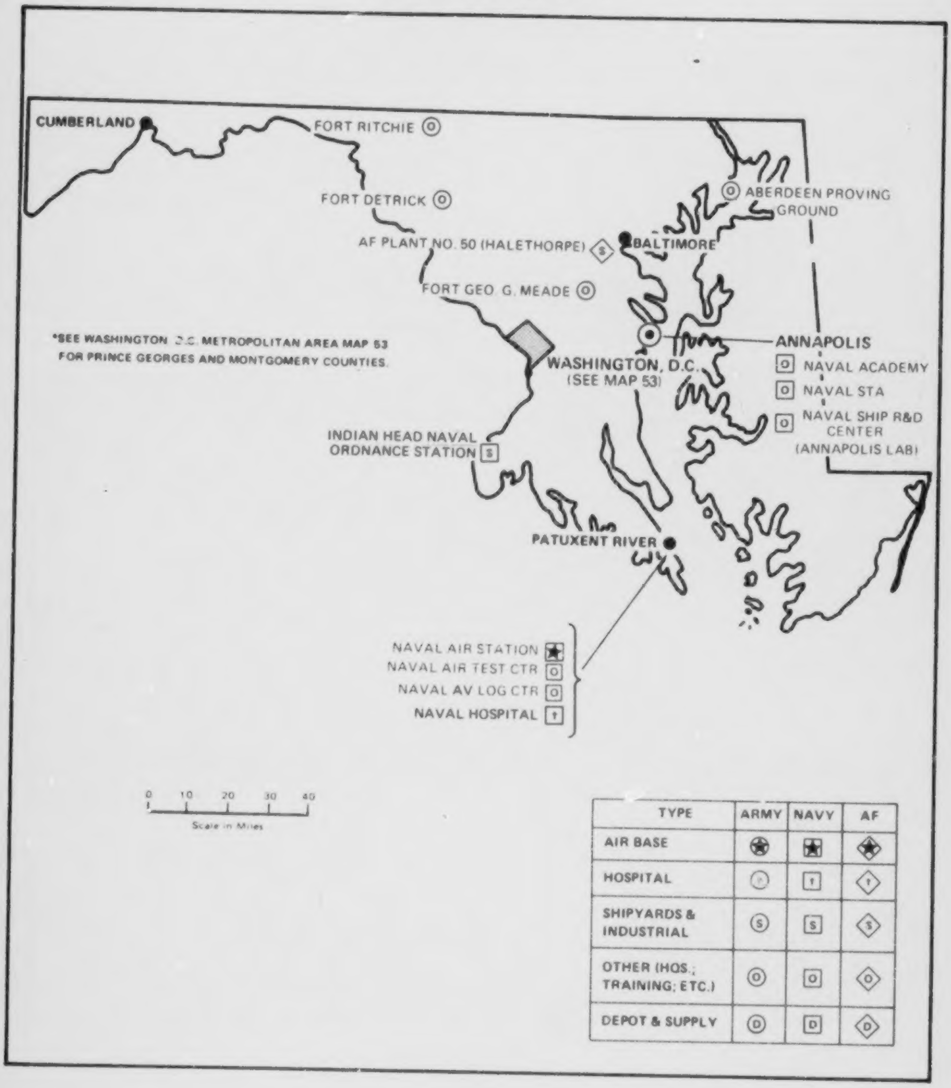
MAP NO. 22

MAINE


LORING AFB
CUTLER NAVAL COMMUNICATION UNIT
WINTER HARBOR NAVAL SECURITY GROUP ACT
AUGUSTA
LEWISTON
BRUNSWICK NAS
PORTLAND
PORTSMOUTH NAVAL SHIPYARD – KITTERY
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

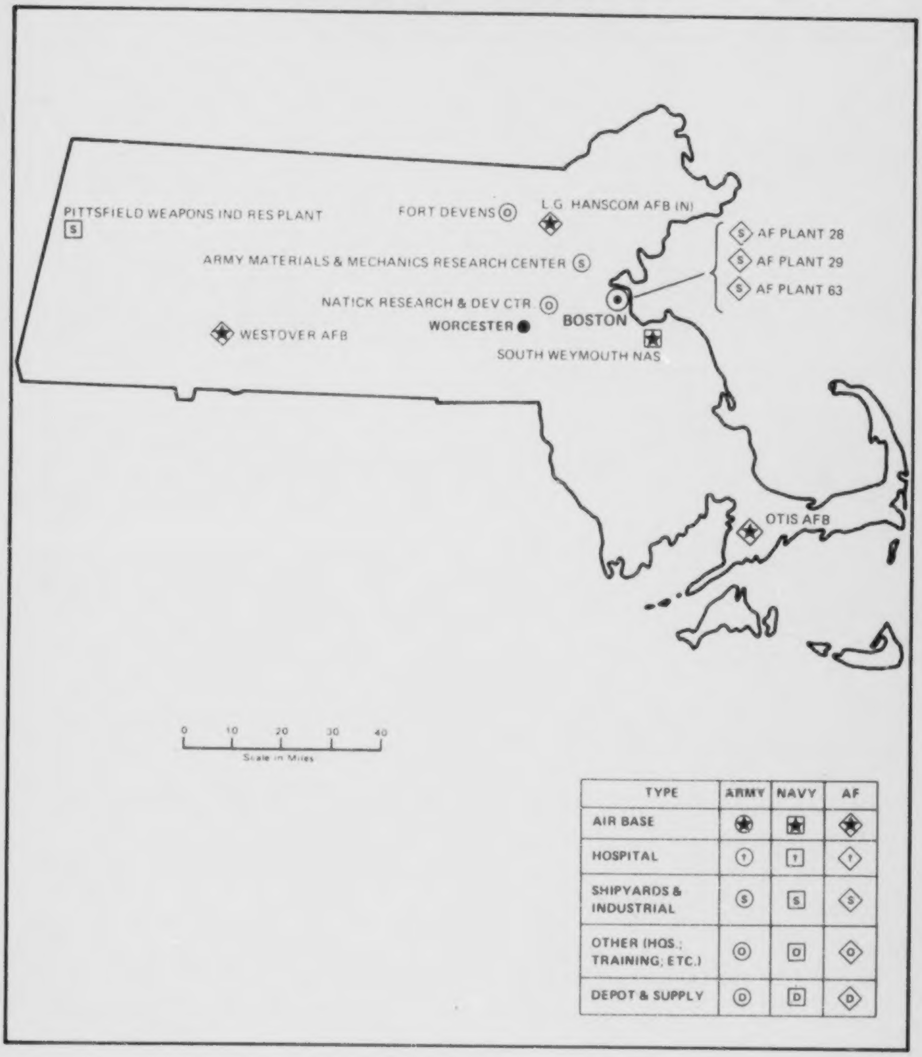
MAP NO. 23

MARYLAND


CUMBERLAND
FORT RITCHIE
FORT DETRICK
AF PLANT NO. 50 (HALETHORPE)
BALTIMORE
ABERDEEN PROVING GROUND
FORT GEO. G. MEADE
*SEE WASHINGTON D.C. METROPOLITAN AREA MAP 53 FOR PRINCE GEORGES AND MONTGOMERY COUNTIES.
WASHINGTON, D.C. (SEE MAP 53)
ANNAPOLIS
NAVAL ACADEMY
NAVAL STA
NAVAL SHIP R&D CENTER (ANNAPOLIS LAB)
INDIAN HEAD NAVAL ORDNANCE STATION
PATUXENT RIVER
NAVAL AIR STATION
NAVAL AIR TEST CTR
NAVAL AV LOG CTR
NAVAL HOSPITAL
0 10 20 30 40
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

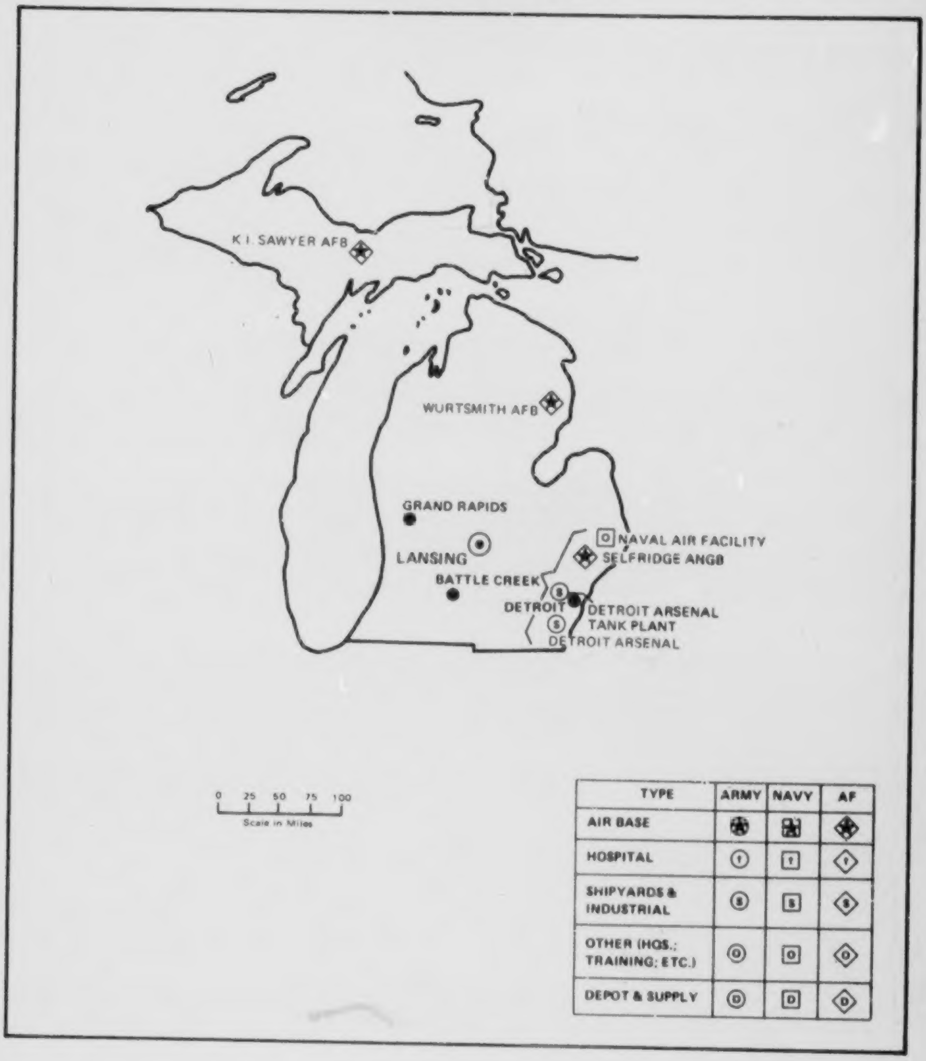
MAP NO. 24

MASSACHUSETTS


PITTSFIELD WEAPONS IND RES PLANT
FORT DEVENS
L.G. HANSCOM AFB (N)
AF PLANT 28
AF PLANT 29
AF PLANT 63
ARMY MATERIALS & MECHANICS RESEARCH CENTER
NATICK RESEARCH & DEV CTR
BOSTON
WORCESTER
WESTOVER AFB
SOUTH WEYMOUTH NAS
OTIS AFB
0
10
20
30
40
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

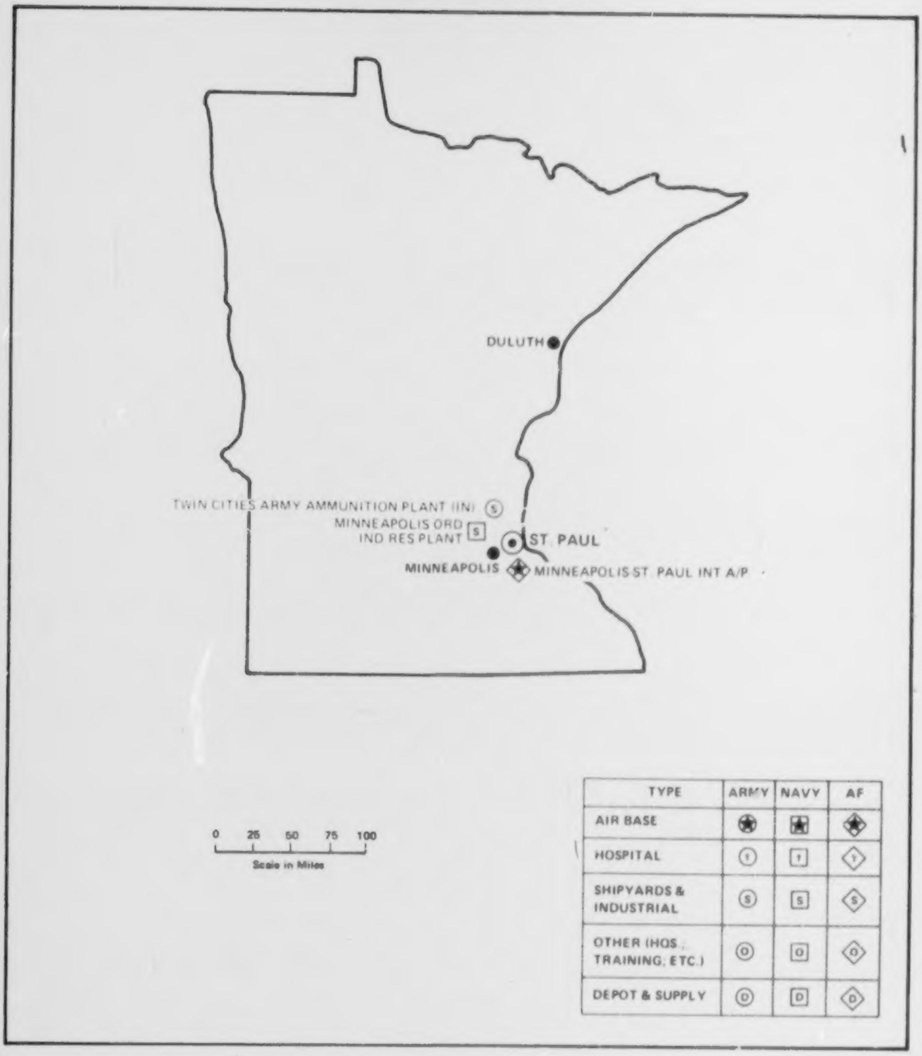
MAP NO. 25

MICHIGAN


K.I. SAWYER AFB
WURTSMITH AFB
GRAND RAPIDS
LANSING
BATTLE CREEK
NAVAL AIR FACILITY
SELFRIDGE ANGB
DETROIT
DETROIT ARSENAL
TANK PLANT
DETROIT ARSENAL
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

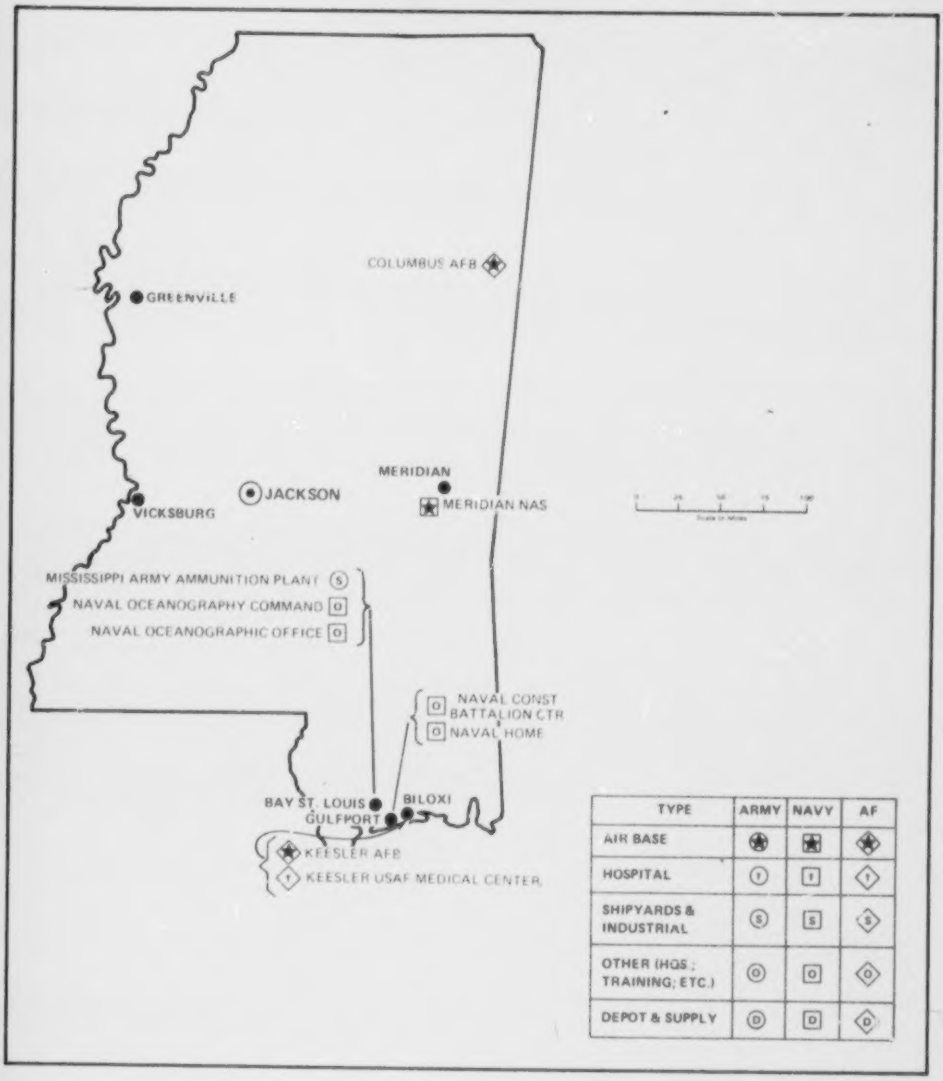
MAP NO. 26

MINNESOTA


DULUTH
TWIN CITIES ARMY AMMUNITION PLANT (IN)
MINNEAPOLIS ORD IND RES PLANT
ST. PAUL
MINNEAPOLIS
MINNEAPOLIS-ST. PAUL INT A/P
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS., TRAINING, ETC.)
DEPOT & SUPPLY

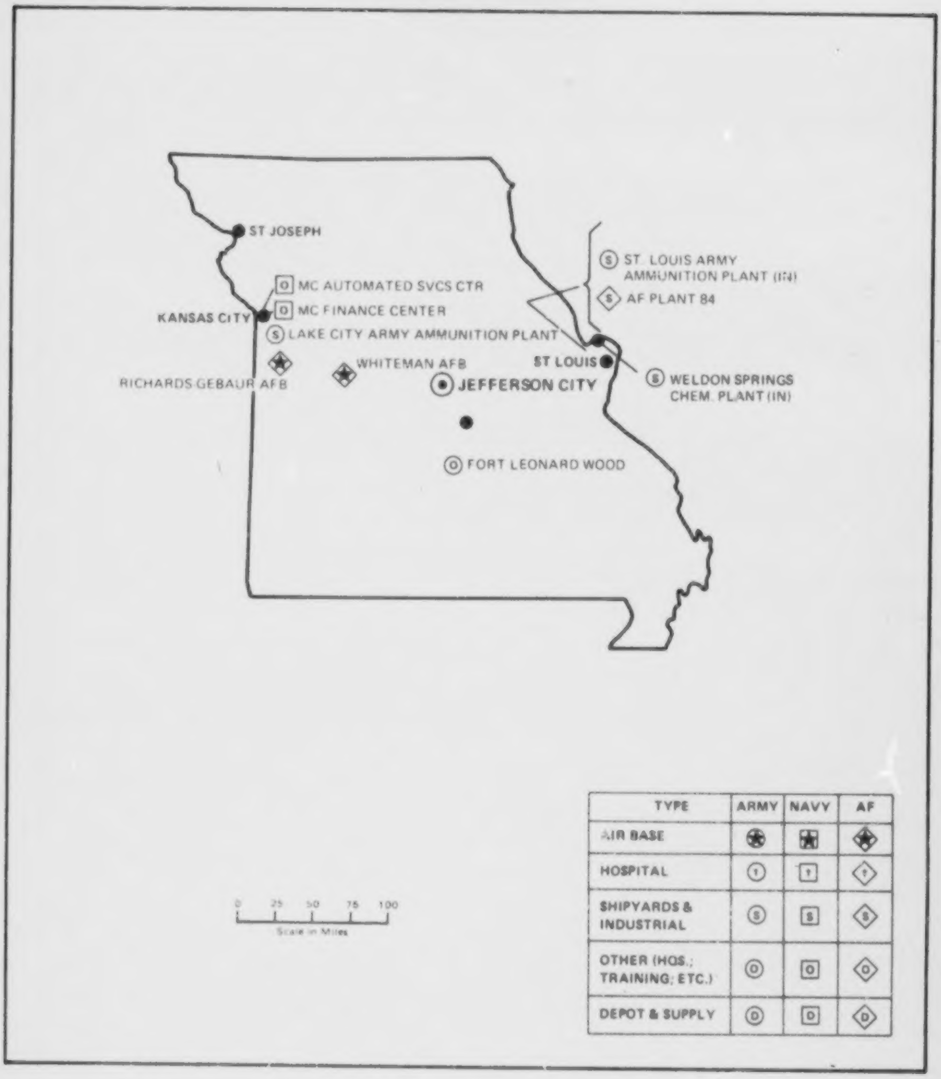
MAP NO. 27

MISSISSIPPI


COLUMBUS AFB
GREENVILLE
MERIDIAN
JACKSON
MERIDIAN NAS
VICKSBURG
MISSISSIPPI ARMY AMMUNITION PLANT
NAVAL OCEANOGRAPHY COMMAND
NAVAL OCEANOGRAPHIC OFFICE
NAVAL CONST BATTALION CTR
NAVAL HOME
BAY ST. LOUIS
BILOXI
GULFPORT
KEESLER AFB
KEESLER USAF MEDICAL CENTER
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

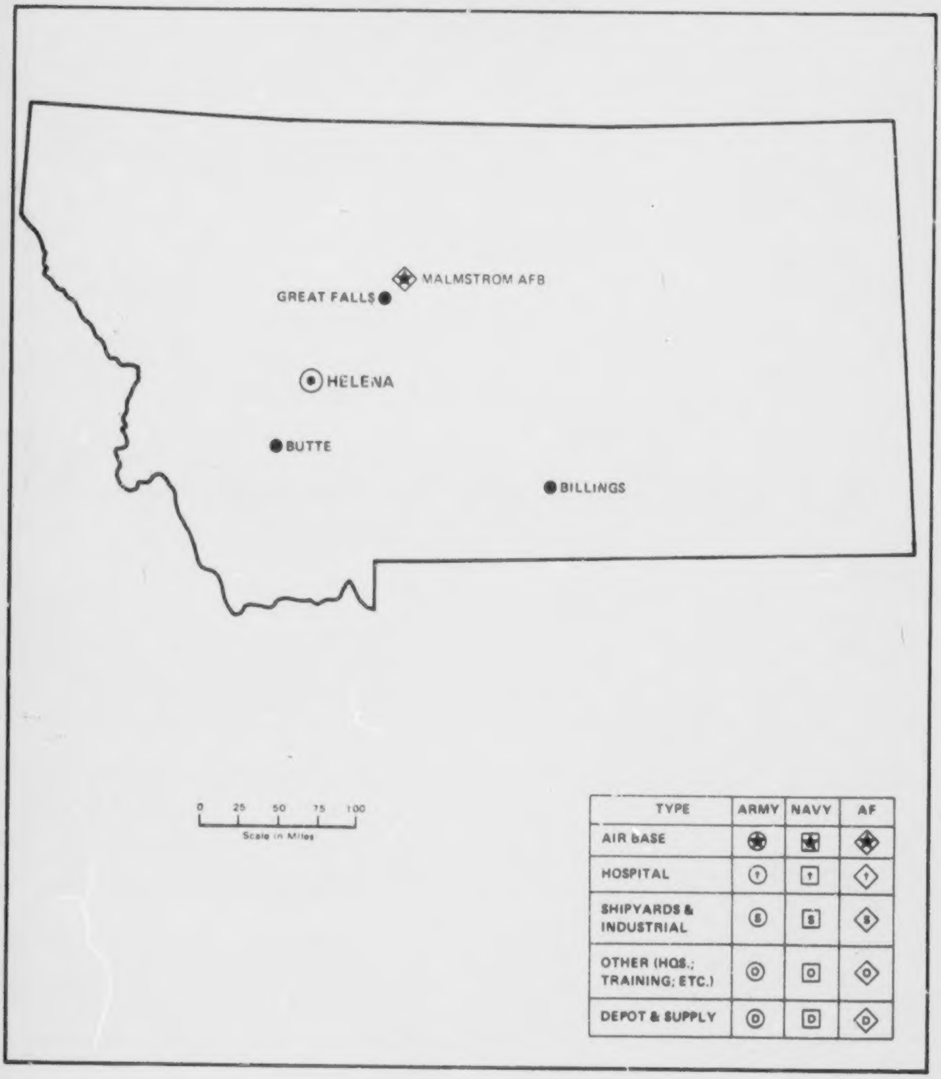
MAP NO. 28

MISSOURI


ST JOSEPH
MC AUTOMATED SVCS CTR
MC FINANCE CENTER
KANSAS CITY
LAKE CITY ARMY AMMUNITION PLANT
RICHARDS-GEBAUR AFB
WHITEMAN AFB
JEFFERSON CITY
FORT LEONARD WOOD
ST LOUIS
ST. LOUIS ARMY AMMUNITION PLANT (IN)
AF PLANT 84
WELDON SPRINGS CHEM. PLANT (IN)
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

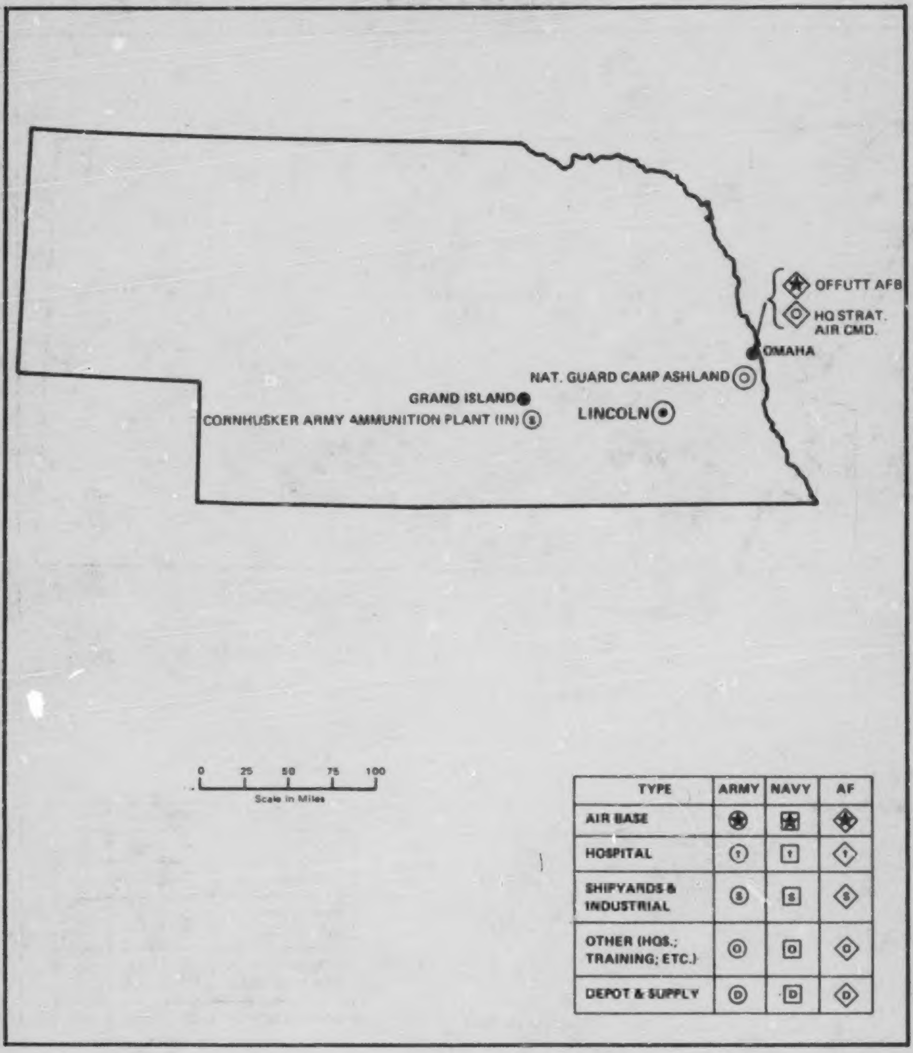
MAP NO. 29

MONTANA


MALMSTROM AFB
GREAT FALLS
HELENA
BUTTE
BILLINGS
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

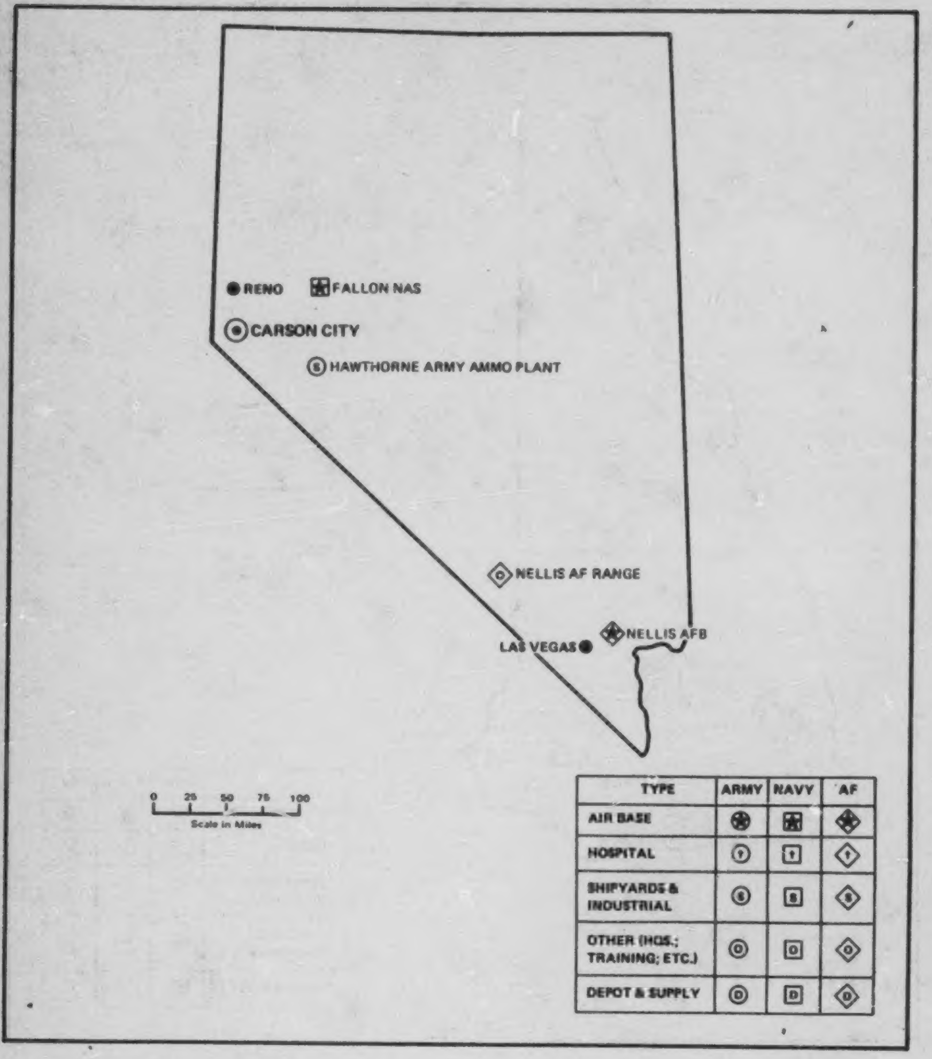
MAP NO. 30

NEBRASKA


OFFUTT AFB
HQ STRAT. AIR CMD.
OMAHA
NAT. GUARD CAMP ASHLAND
GRAND ISLAND
CORNHUSKER ARMY AMMUNITION PLANT (IN)
LINCOLN
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

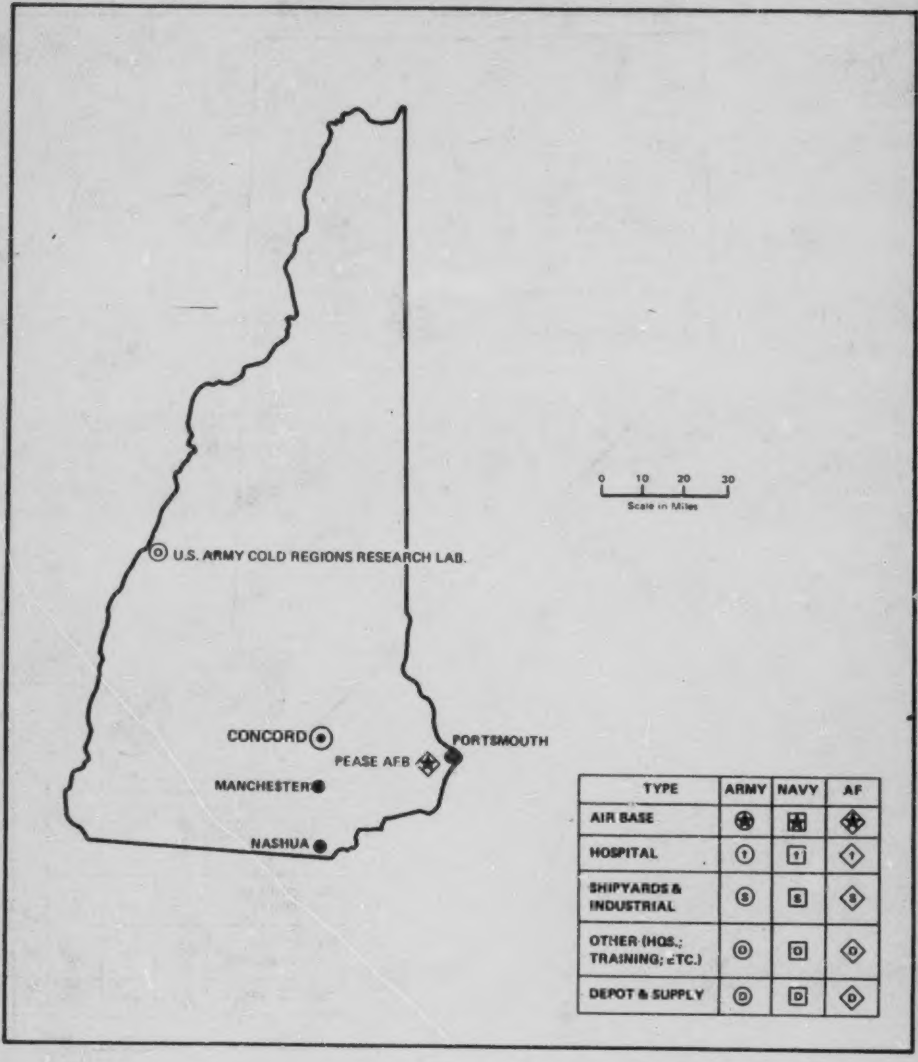
MAP NO. 31

NEVADA


RENO
FALLON NAS
CARSON CITY
HAWTHORNE ARMY AMMO PLANT
NELLIS AF RANGE
NELLIS AFB
LAS VEGAS
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

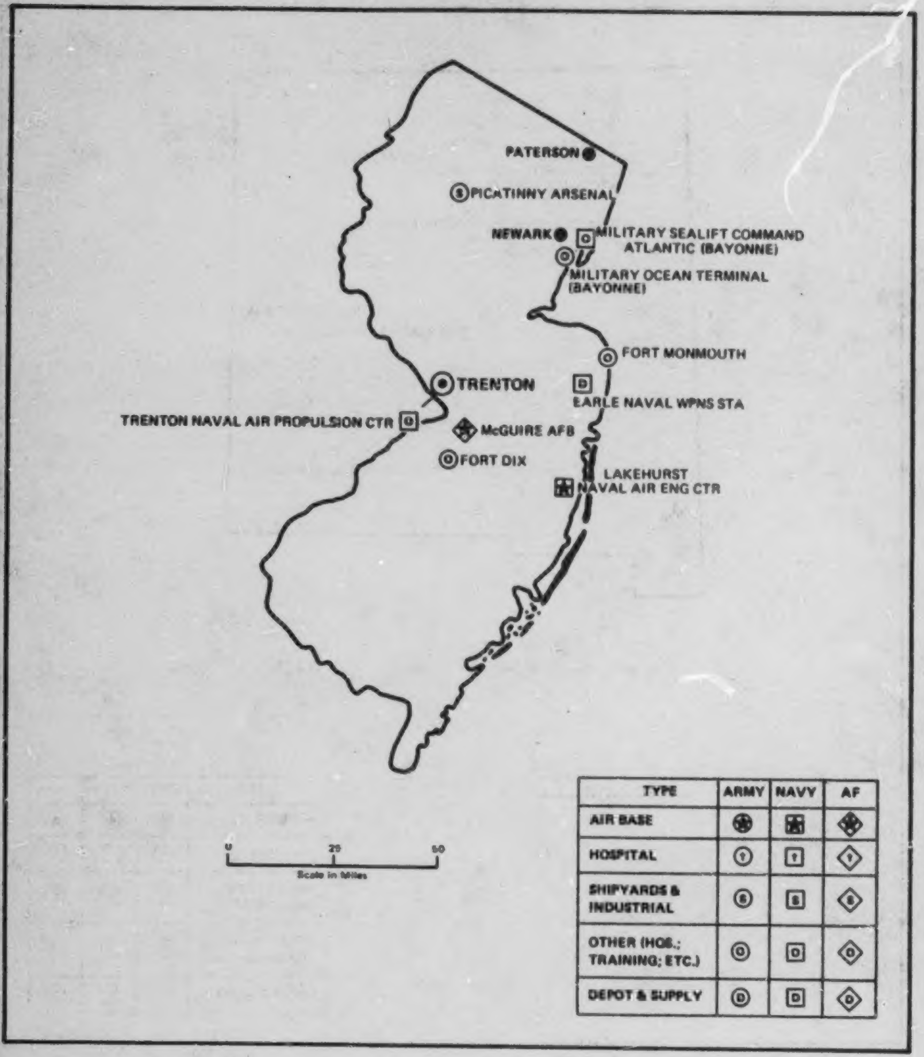
MAP NO. 32

NEW HAMPSHIRE


U.S. ARMY COLD REGIONS RESEARCH LAB.
CONCORD
PEASE AFB
PORTSMOUTH
MANCHESTER
NASHUA
0
10
20
30
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

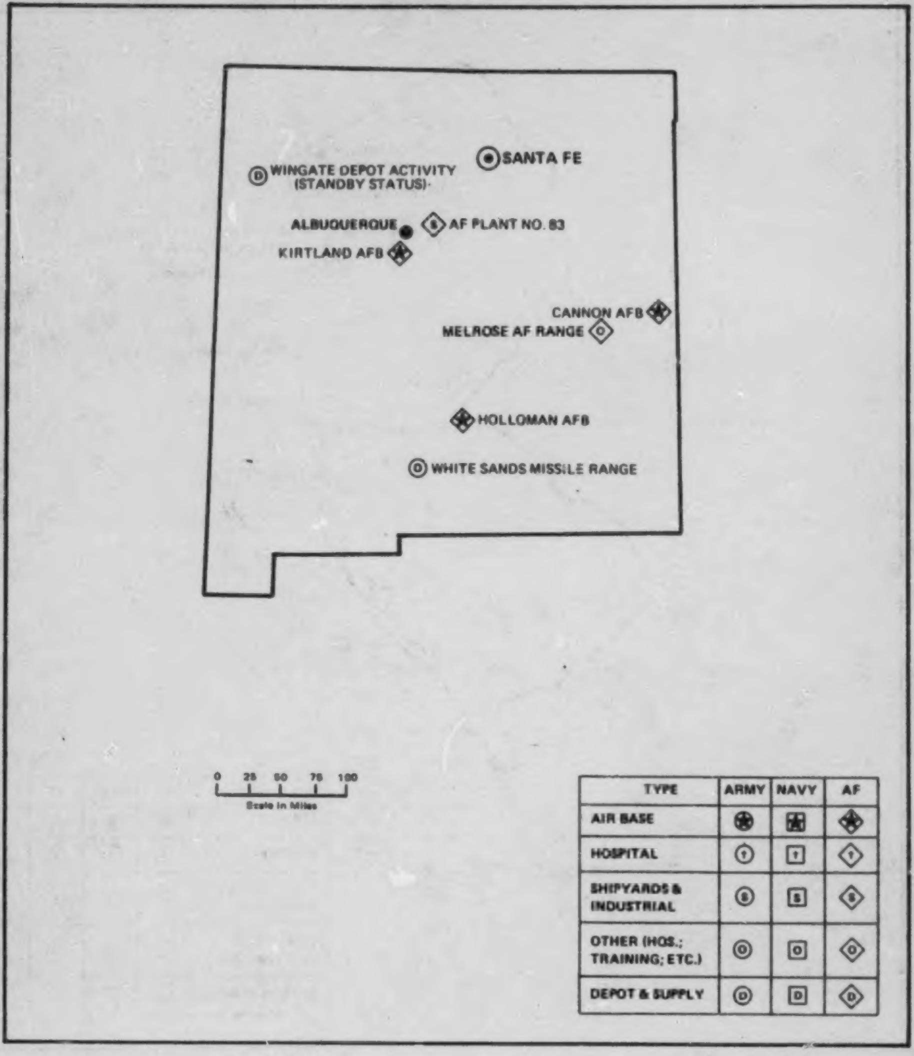
MAP NO. 33

NEW JERSEY


PATERSON
PICATINNY ARSENAL
NEWARK
MILITARY SEALIFT COMMAND ATLANTIC (BAYONNE)
MILITARY OCEAN TERMINAL (BAYONNE)
FORT MONMOUTH
TRENTON
EARLE NAVAL WPNS STA
TRENTON NAVAL AIR PROPULSION CTR
McGUIRE AFB
FORT DIX
LAKEHURST NAVAL AIR ENG CTR
0
25
50
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

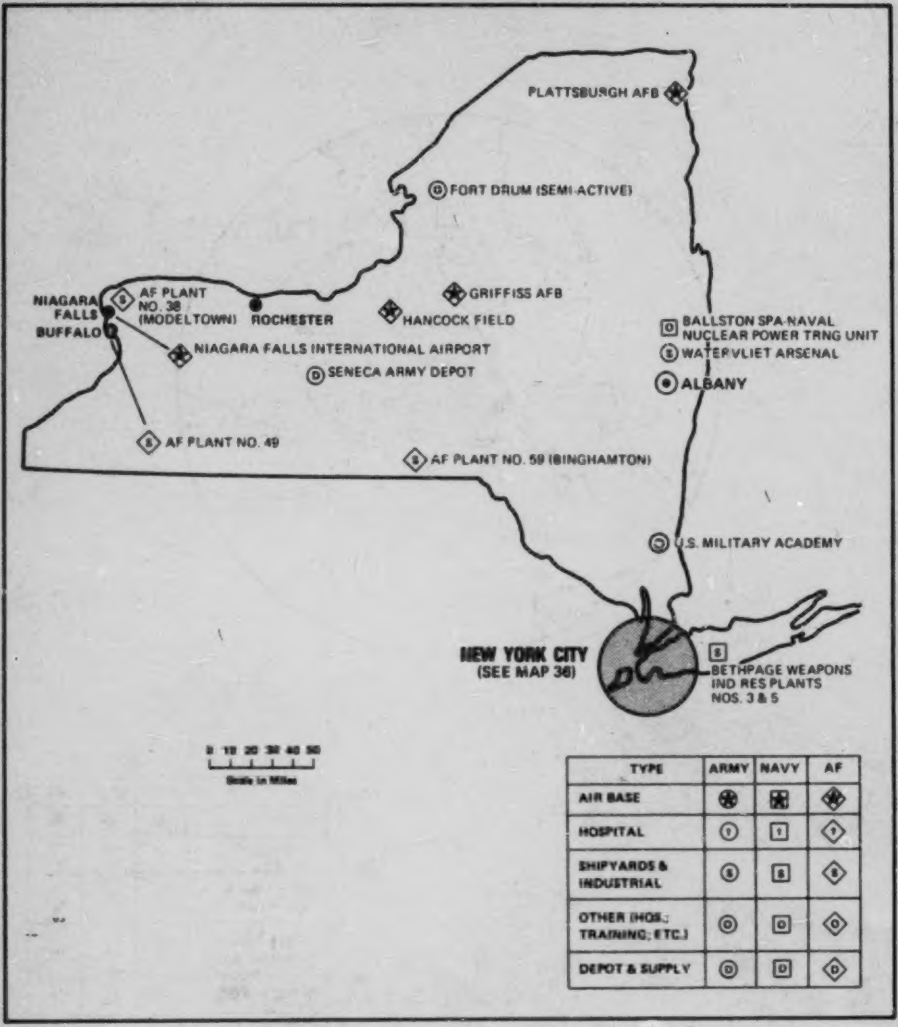
MAP NO. 34

NEW MEXICO


WINGATE DEPOT ACTIVITY (STANDBY STATUS)
SANTA FE
ALBUQUERQUE
AF PLANT NO. 83
KIRTLAND AFB
CANNON AFB
MELROSE AF RANGE
HOLLOMAN AFB
WHITE SANDS MISSILE RANGE
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

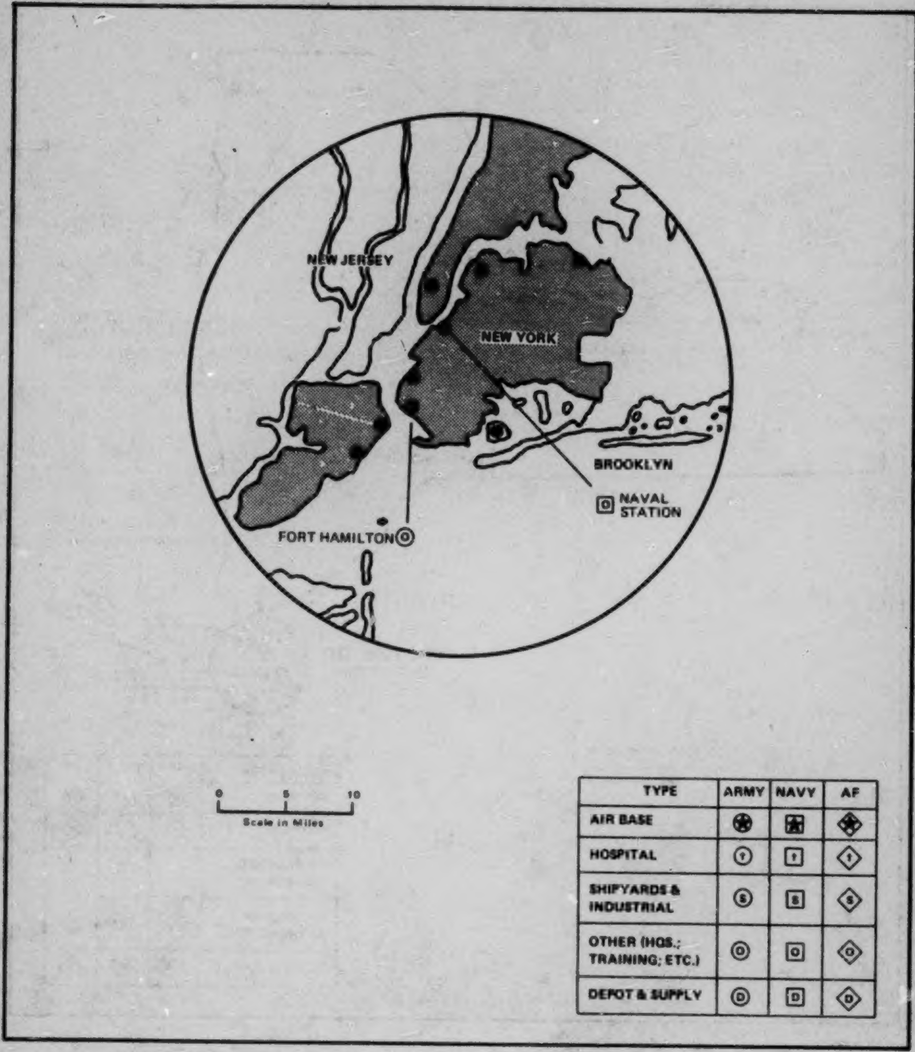
MAP NO. 35

NEW YORK


PLATTSBURGH AFB
FORT DRUM (SEMI-ACTIVE)
GRIFFISS AFB
HANCOCK FIELD
ROCHESTER
NIAGARA FALLS
BUFFALO
AF PLANT NO. 38 (MODELTOWN)
NIAGARA FALLS INTERNATIONAL AIRPORT
SENECA ARMY DEPOT
AF PLANT NO. 49
AF PLANT NO. 59 (BINGHAMTON)
BALLSTON SPA-NAVAL NUCLEAR POWER TRNG UNIT
WATERVLIET ARSENAL
ALBANY
U.S. MILITARY ACADEMY
NEW YORK CITY (SEE MAP 36)
BETHPAGE WEAPONS IND RES PLANTS NOS. 3 & 5
0 10 20 30 40 50
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

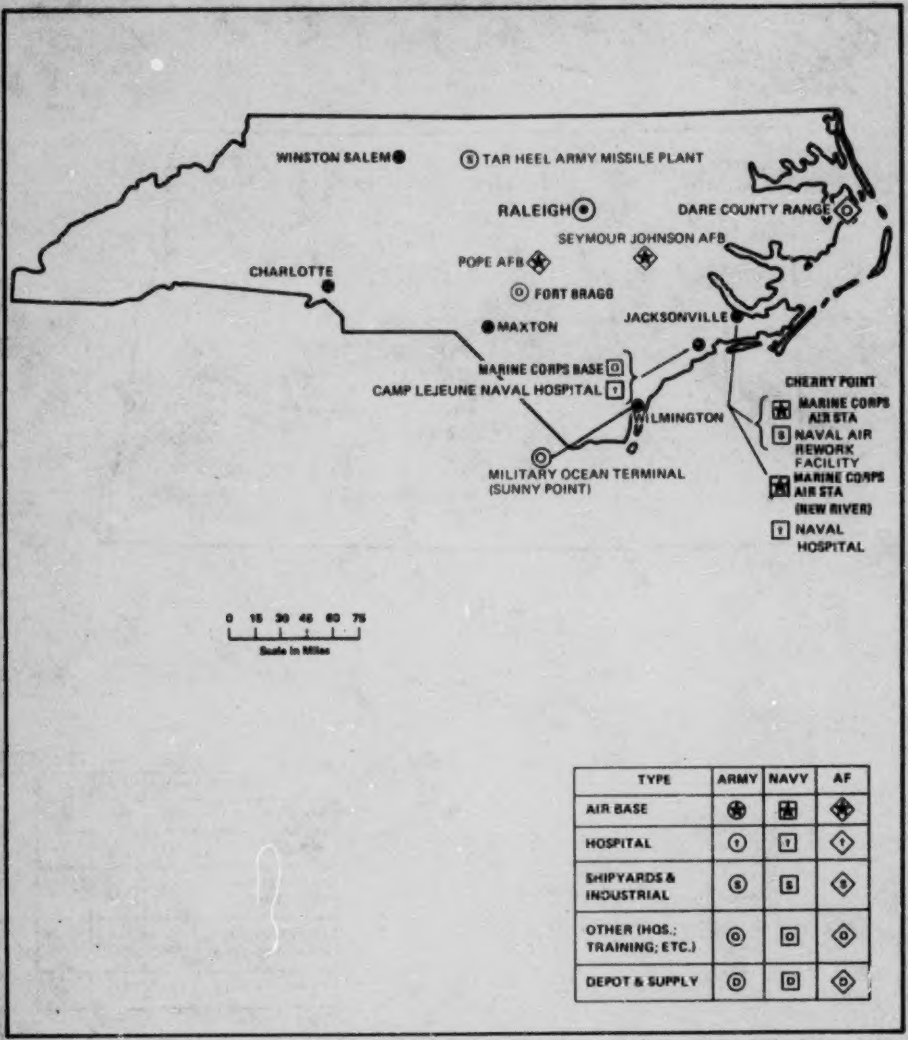
MAP NO. 36

NEW YORK CITY


NEW JERSEY
NEW YORK
BROOKLYN
NAVAL STATION
FORT HAMILTON
0 5 10
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

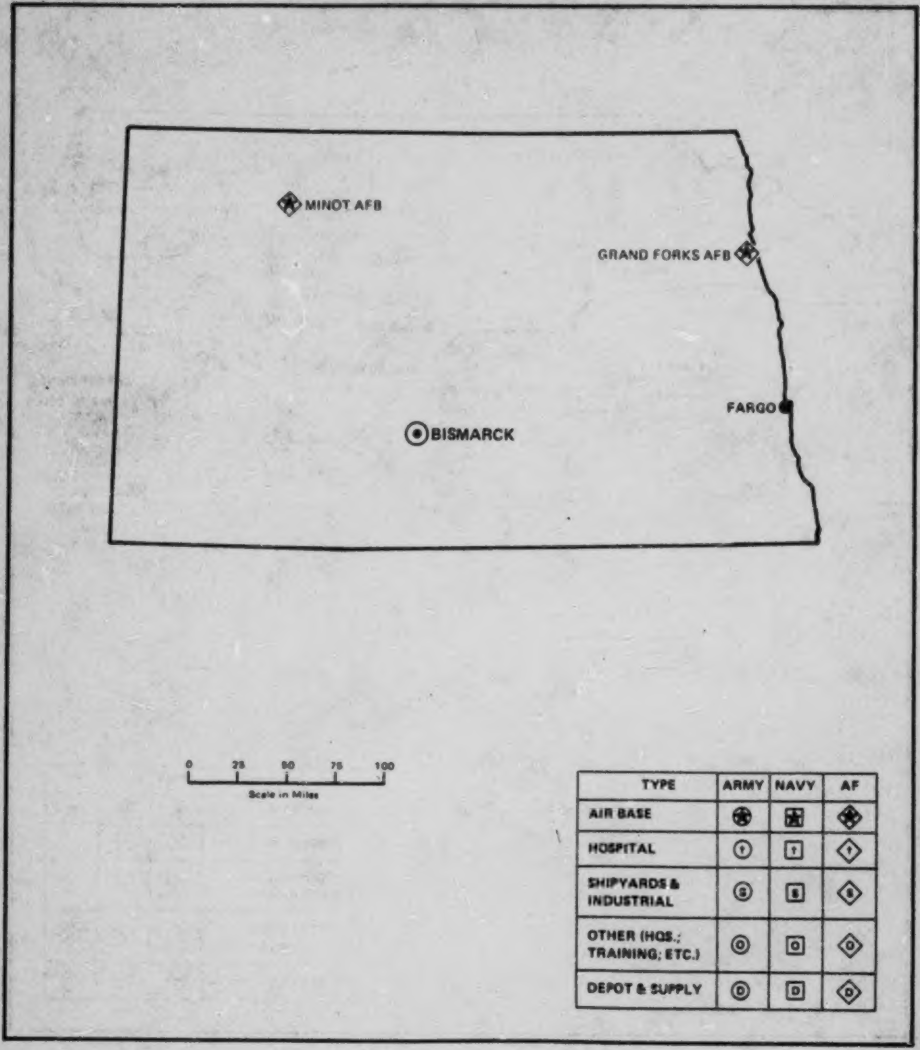
MAP NO. 37

NORTH CAROLINA


WINSTON SALEM
TAR HEEL ARMY MISSILE PLANT
RALEIGH
DARE COUNTY RANGE
SEYMOUR JOHNSON AFB
POPE AFB
CHARLOTTE
FORT BRAGG
MAXTON
JACKSONVILLE
MARINE CORPS BASE
CAMP LEJEUNE NAVAL HOSPITAL
WILMINGTON
MILITARY OCEAN TERMINAL
(SUNNY POINT)
CHERRY POINT
MARINE CORPS AIR STA
NAVAL AIR REWORK FACILITY
MARINE CORPS AIR STA
(NEW RIVER)
NAVAL HOSPITAL
0 15 30 45 60 75
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

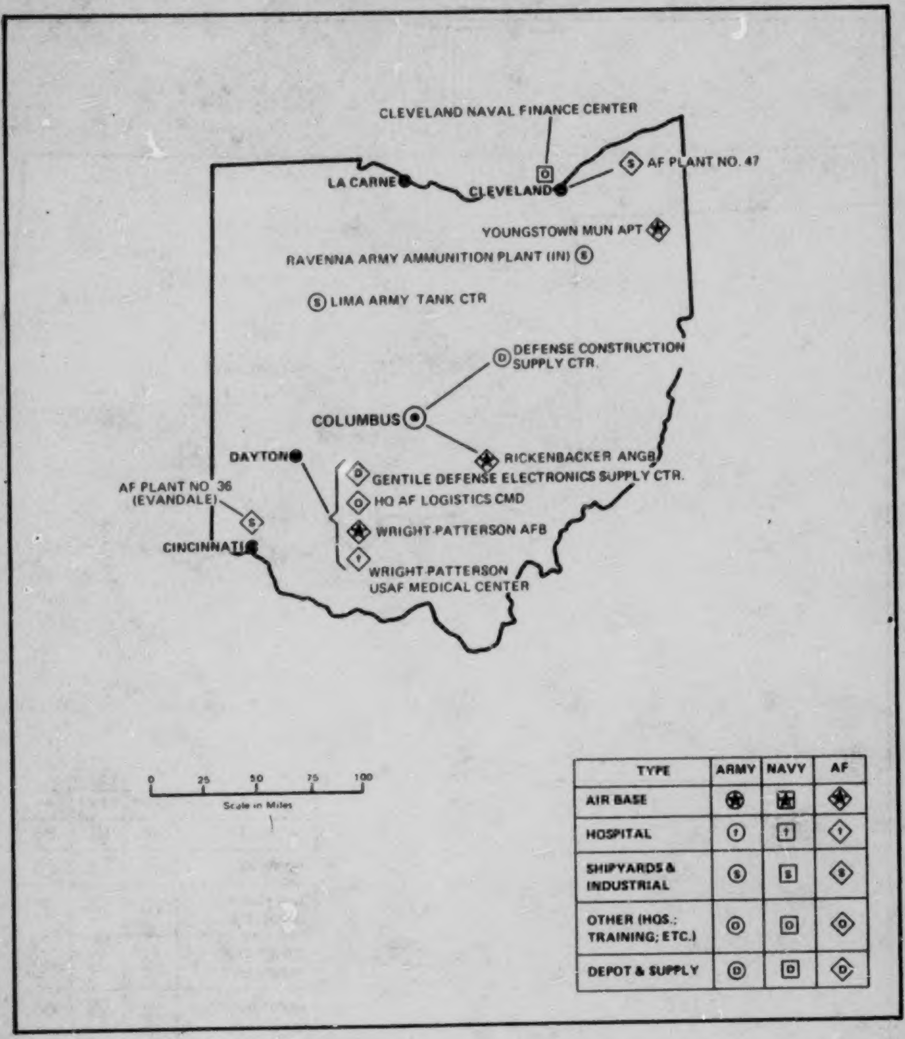
MAP NO. 38

NORTH DAKOTA


MINOT AFB
GRAND FORKS AFB
FARGO
BISMARCK
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

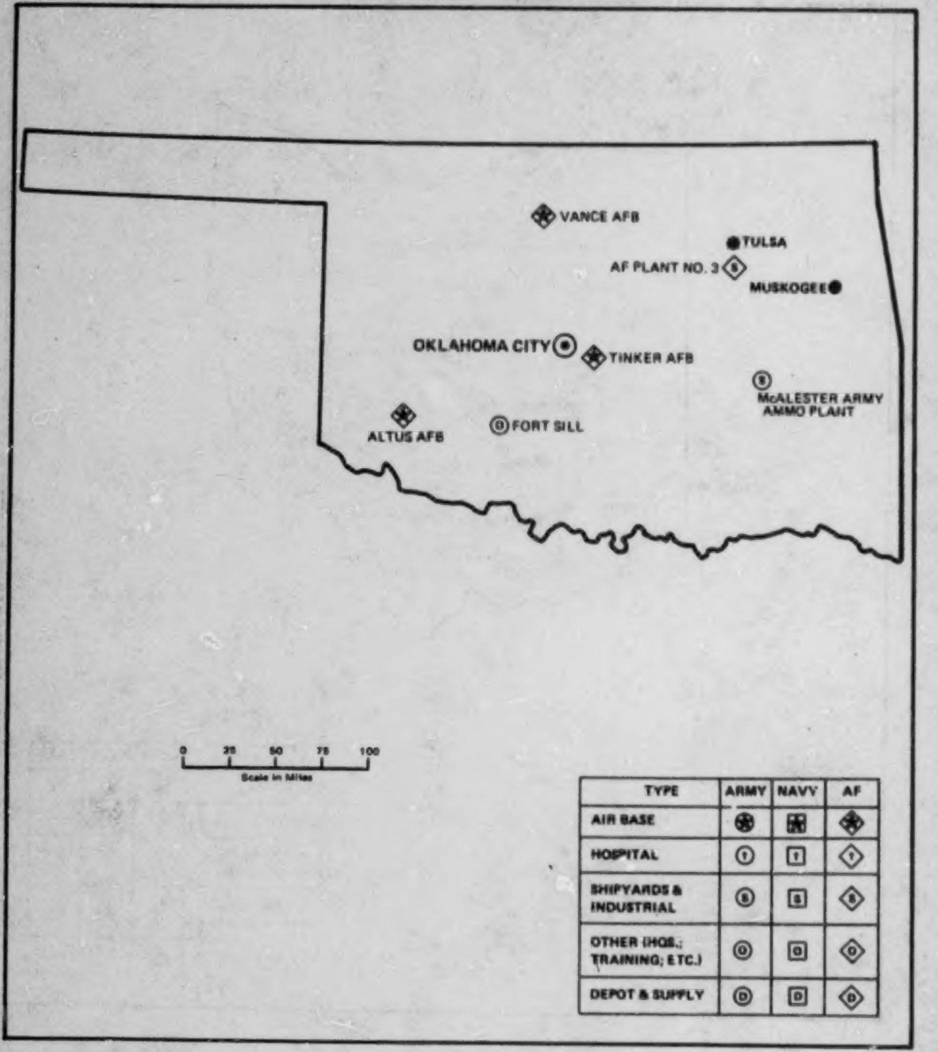
MAP NO. 39

OHIO


CLEVELAND NAVAL FINANCE CENTER
AF PLANT NO. 47
LA CARNE
CLEVELAND
YOUNGSTOWN MUN APT
RAVENNA ARMY AMMUNITION PLANT (IN)
LIMA ARMY TANK CTR
DEFENSE CONSTRUCTION SUPPLY CTR.
COLUMBUS
RICKENBACKER ANGB
DAYTON
GENTILE DEFENSE ELECTRONICS SUPPLY CTR.
HQ AF LOGISTICS CMD
WRIGHT-PATTERSON AFB
WRIGHT-PATTERSON USAF MEDICAL CENTER
AF PLANT NO 36 (EVANDALE)
CINCINNATI
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

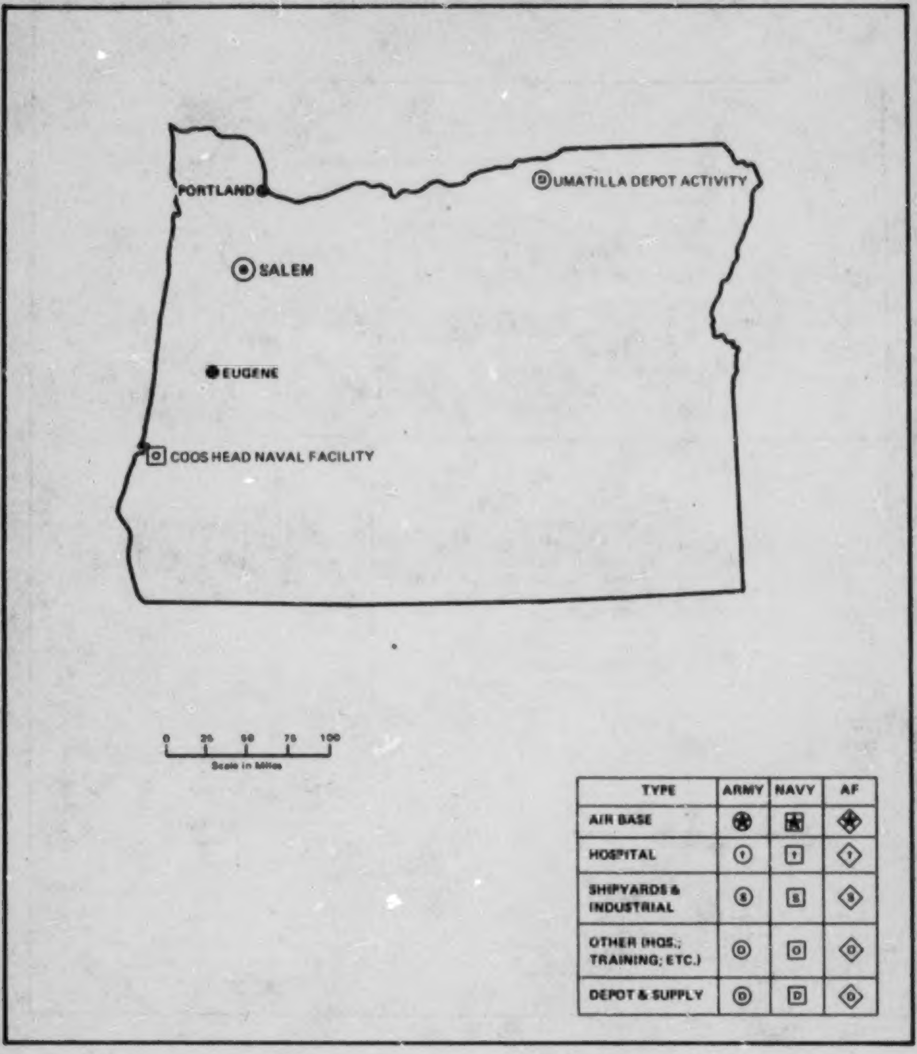
MAP NO. 40

OKLAHOMA


VANCE AFB
TULSA
AF PLANT NO. 3
MUSKOGEE
OKLAHOMA CITY
TINKER AFB
McALESTER ARMY AMMO PLANT
ALTUS AFB
FORT SILL
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

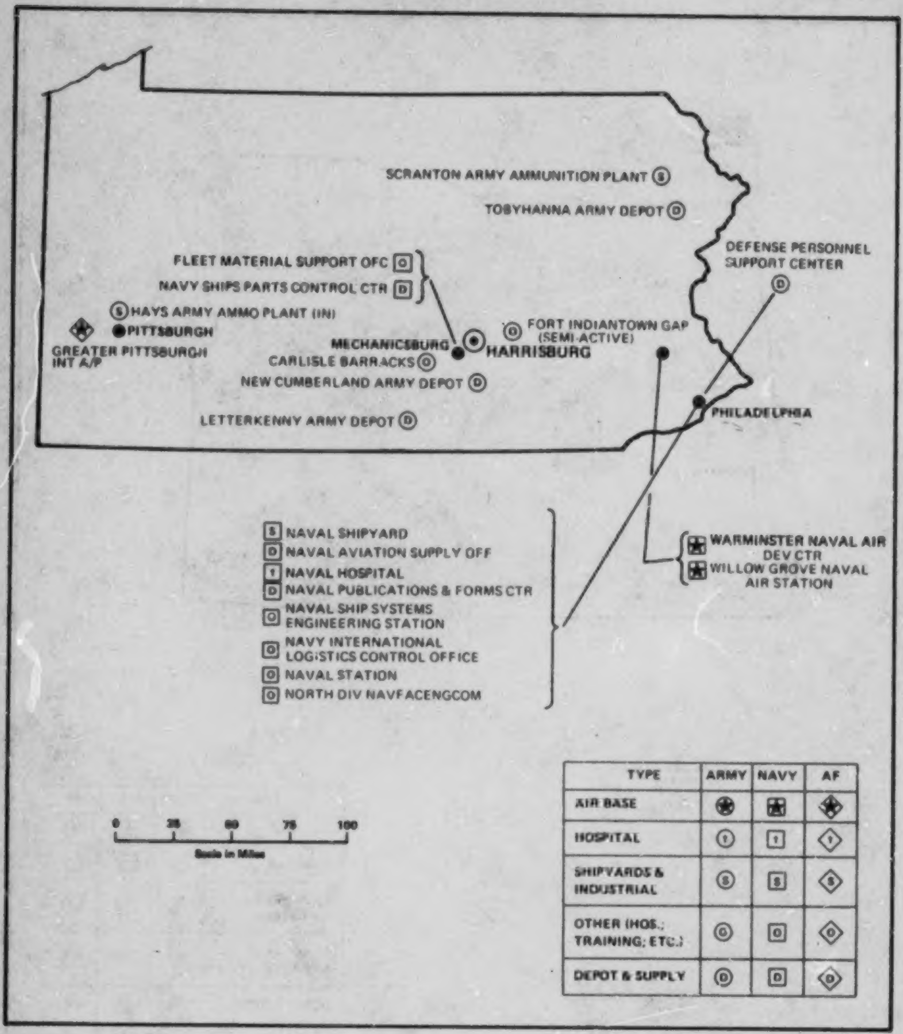
MAP NO. 41

OREGON


PORTLAND
UMATILLA DEPOT ACTIVITY
SALEM
EUGENE
COOS HEAD NAVAL FACILITY
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

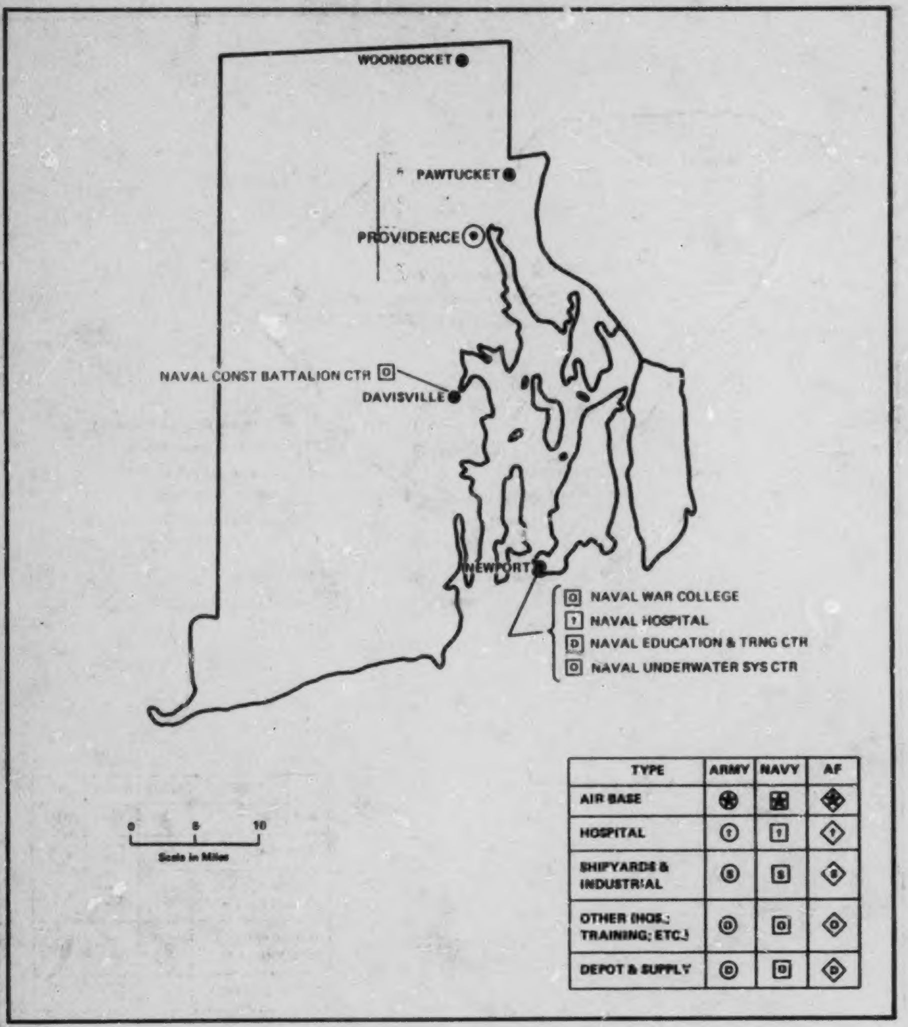
MAP NO. 42

PENNSYLVANIA


SCRANTON ARMY AMMUNITION PLANT
TOBYHANNA ARMY DEPOT
DEFENSE PERSONNEL SUPPORT CENTER
FLEET MATERIAL SUPPORT OFC
NAVY SHIPS PARTS CONTROL CTR
HAYS ARMY AMMO PLANT (IN)
PITTSBURGH
GREATER PITTSBURGH INT A/P
MECHANICSBURG
HARRISBURG
FORT INDIANTOWN GAP (SEMI-ACTIVE)
CARLISLE BARRACKS
NEW CUMBERLAND ARMY DEPOT
LETTERKENNY ARMY DEPOT
PHILADELPHIA
NAVAL SHIPYARD
NAVAL AVIATION SUPPLY OFF
NAVAL HOSPITAL
NAVAL PUBLICATIONS & FORMS CTR
NAVAL SHIP SYSTEMS ENGINEERING STATION
NAVY INTERNATIONAL LOGISTICS CONTROL OFFICE
NAVAL STATION
NORTH DIV NAVFACENGCOM
WARMINSTER NAVAL AIR DEV CTR
WILLOW GROVE NAVAL AIR STATION
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

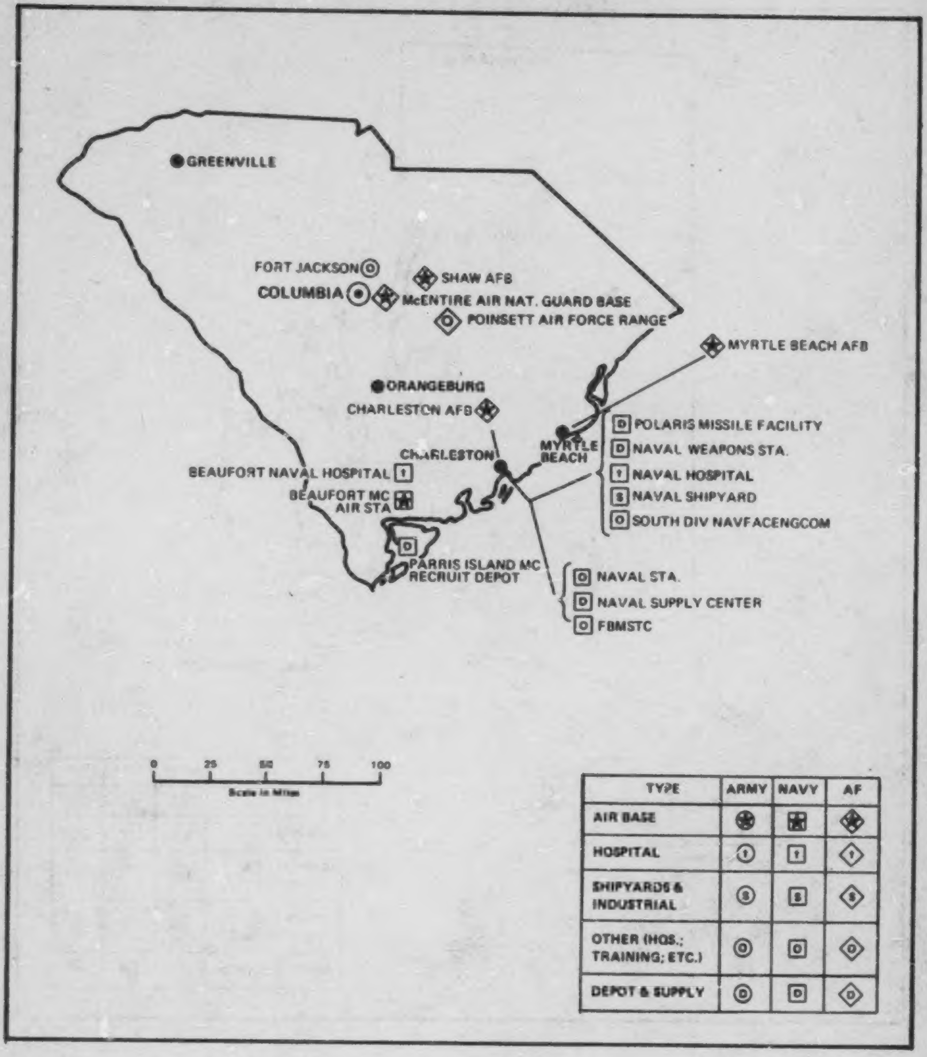
MAP NO. 43

RHODE ISLAND


WOONSOCKET
PAWTUCKET
PROVIDENCE
NAVAL CONST BATTALION CTR
DAVISVILLE
NEWPORT
NAVAL WAR COLLEGE
NAVAL HOSPITAL
NAVAL EDUCATION & TRNG CTR
NAVAL UNDERWATER SYS CTR
0
5
10
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

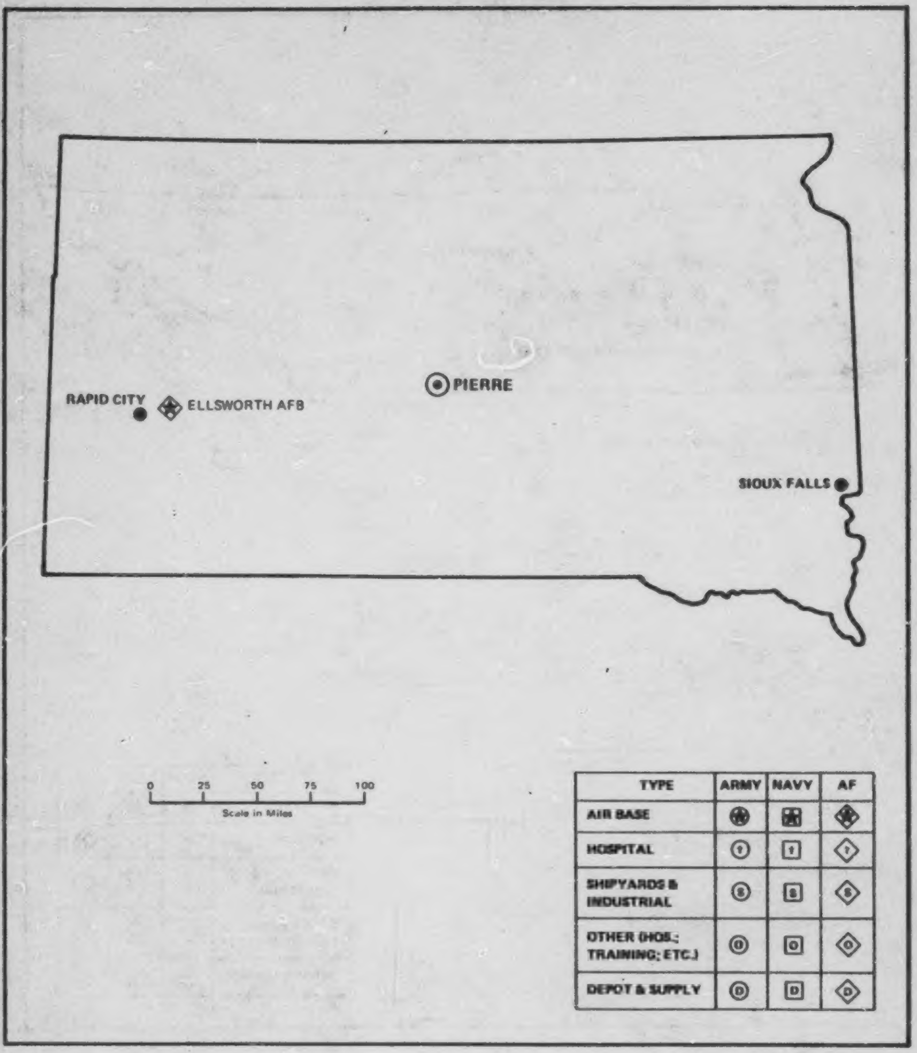
MAP NO. 44

SOUTH CAROLINA


GREENVILLE
FORT JACKSON
SHAW AFB
COLUMBIA
McENTIRE AIR NAT. GUARD BASE
POINSETT AIR FORCE RANGE
MYRTLE BEACH AFB
ORANGEBURG
CHARLESTON AFB
MYRTLE BEACH
POLARIS MISSILE FACILITY
NAVAL WEAPONS STA.
CHARLESTON
NAVAL HOSPITAL
BEAUFORT NAVAL HOSPITAL
NAVAL SHIPYARD
BEAUFORT MC AIR STA
SOUTH DIV NAVFACENGCOM
PARRIS ISLAND MC RECRUIT DEPOT
NAVAL STA.
NAVAL SUPPLY CENTER
FBMSTC
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

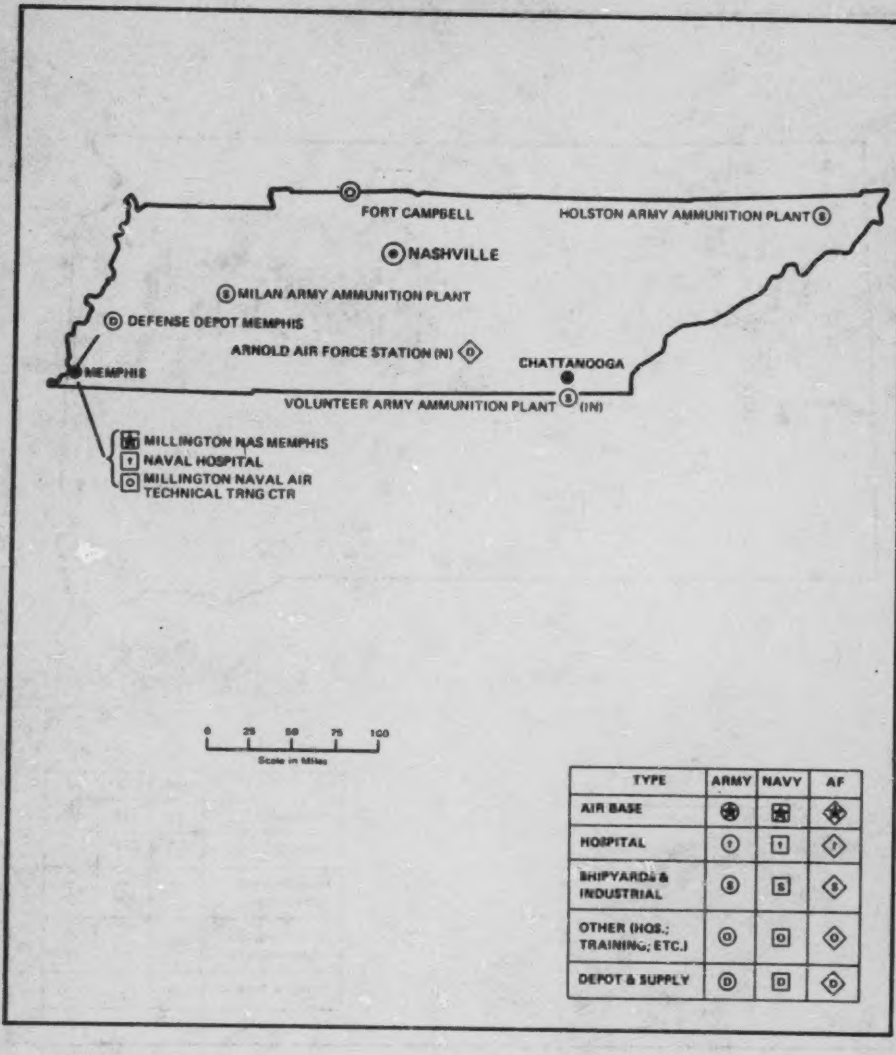
MAP NO. 45

SOUTH DAKOTA


RAPID CITY
ELLSWORTH AFB
PIERRE
SIOUX FALLS
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

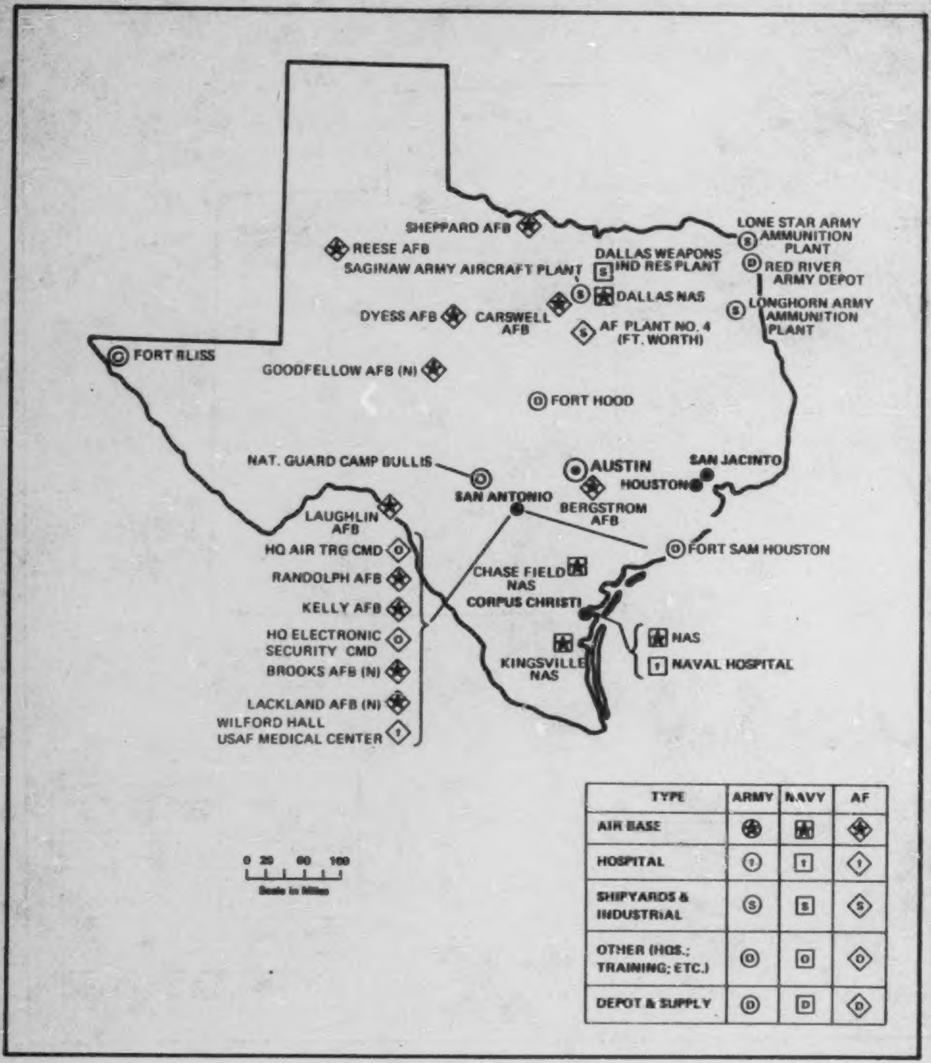
MAP NO. 46

TENNESSEE


FORT CAMPBELL
HOLSTON ARMY AMMUNITION PLANT
NASHVILLE
MILAN ARMY AMMUNITION PLANT
DEFENSE DEPOT MEMPHIS
ARNOLD AIR FORCE STATION (N)
CHATTANOOGA
MEMPHIS
VOLUNTEER ARMY AMMUNITION PLANT (IN)
MILLINGTON NAS MEMPHIS
NAVAL HOSPITAL
MILLINGTON NAVAL AIR TECHNICAL TRNG CTR
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

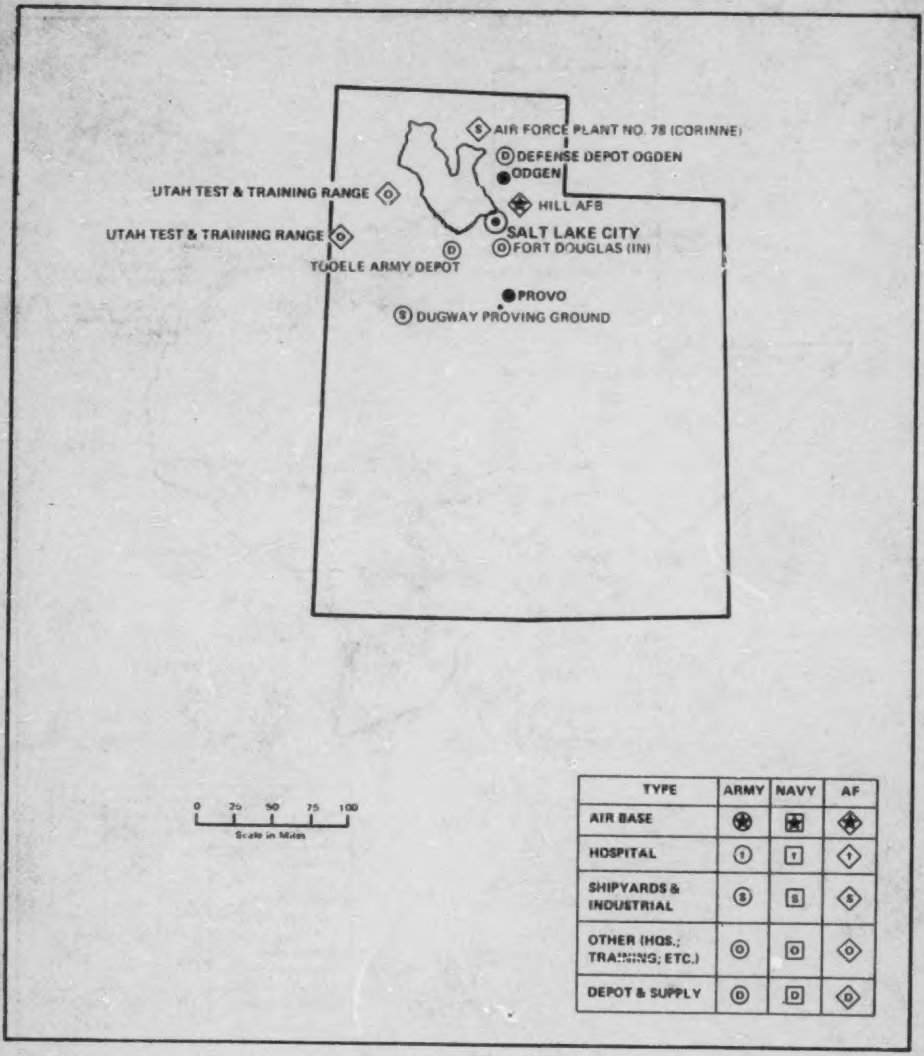
MAP NO. 47

TEXAS


SHEPPARD AFB
REESE AFB
SAGINAW ARMY AIRCRAFT PLANT
DALLAS WEAPONS IND RES PLANT
LONE STAR ARMY AMMUNITION PLANT
RED RIVER ARMY DEPOT
DALLAS NAS
LONGHORN ARMY AMMUNITION PLANT
DYESS AFB
CARSWELL AFB
AF PLANT NO. 4 (FT. WORTH)
FORT BLISS
GOODFELLOW AFB (N)
FORT HOOD
NAT. GUARD CAMP BULLIS
AUSTIN
SAN JACINTO
HOUSTON
SAN ANTONIO
BERGSTROM AFB
LAUGHLIN AFB
HQ AIR TRG CMD
FORT SAM HOUSTON
RANDOLPH AFB
CHASE FIELD NAS
KELLY AFB
CORPUS CHRISTI
HQ ELECTRONIC SECURITY CMD
NAS
NAVAL HOSPITAL
BROOKS AFB (N)
KINGSVILLE NAS
LACKLAND AFB (N)
WILFORD HALL USAF MEDICAL CENTER
0 20 60 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

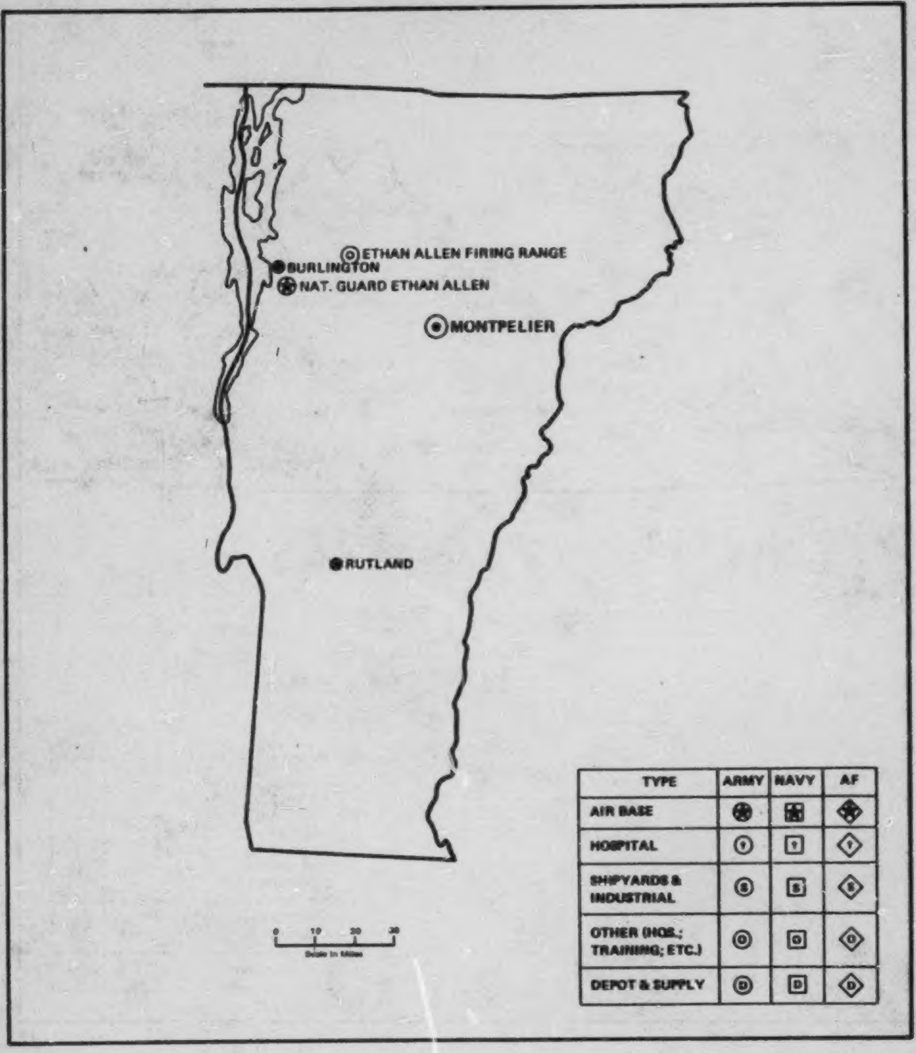
MAP NO. 48

UTAH


AIR FORCE PLANT NO. 78 (CORINNE)
DEFENSE DEPOT OGDEN
ODGEN
UTAH TEST & TRAINING RANGE
HILL AFB
UTAH TEST & TRAINING RANGE
SALT LAKE CITY
FORT DOUGLAS (IN)
TOOELE ARMY DEPOT
PROVO
DUGWAY PROVING GROUND
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

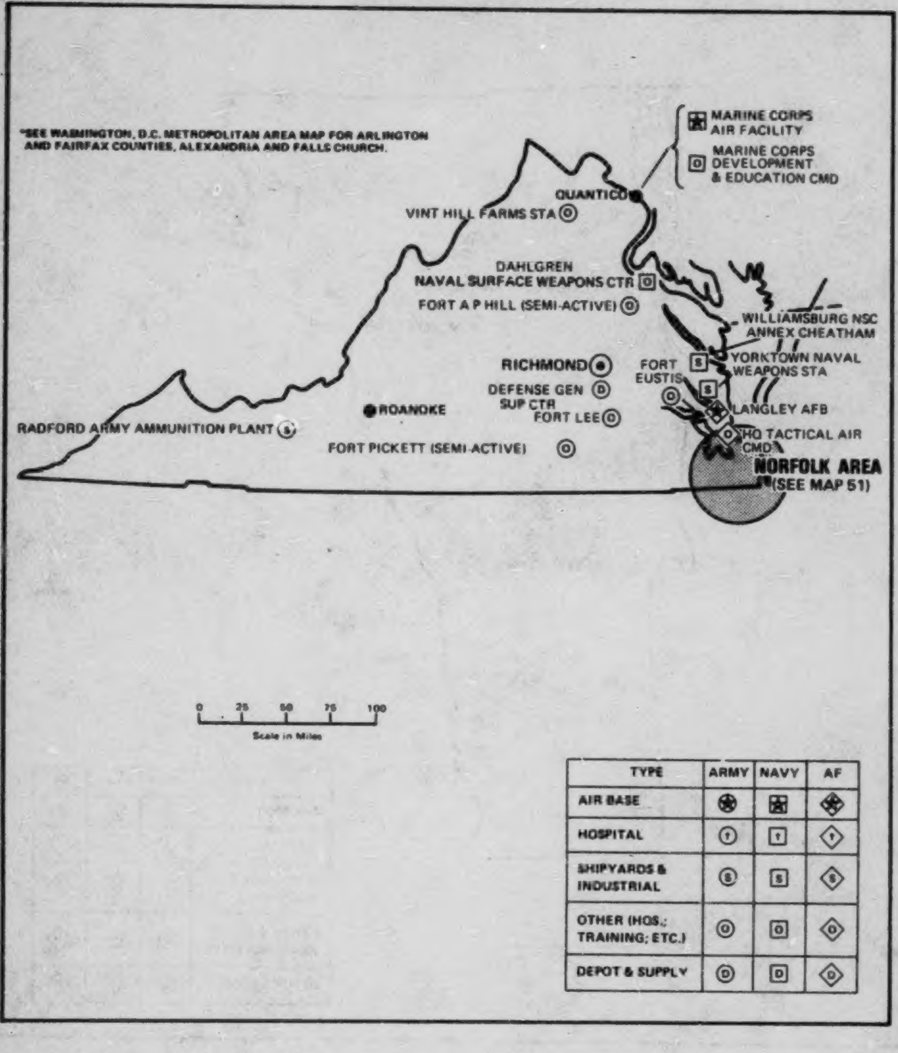
MAP NO. 49

VERMONT


ETHAN ALLEN FIRING RANGE
BURLINGTON
NAT. GUARD ETHAN ALLEN
MONTPELIER
RUTLAND
0
10
20
30
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

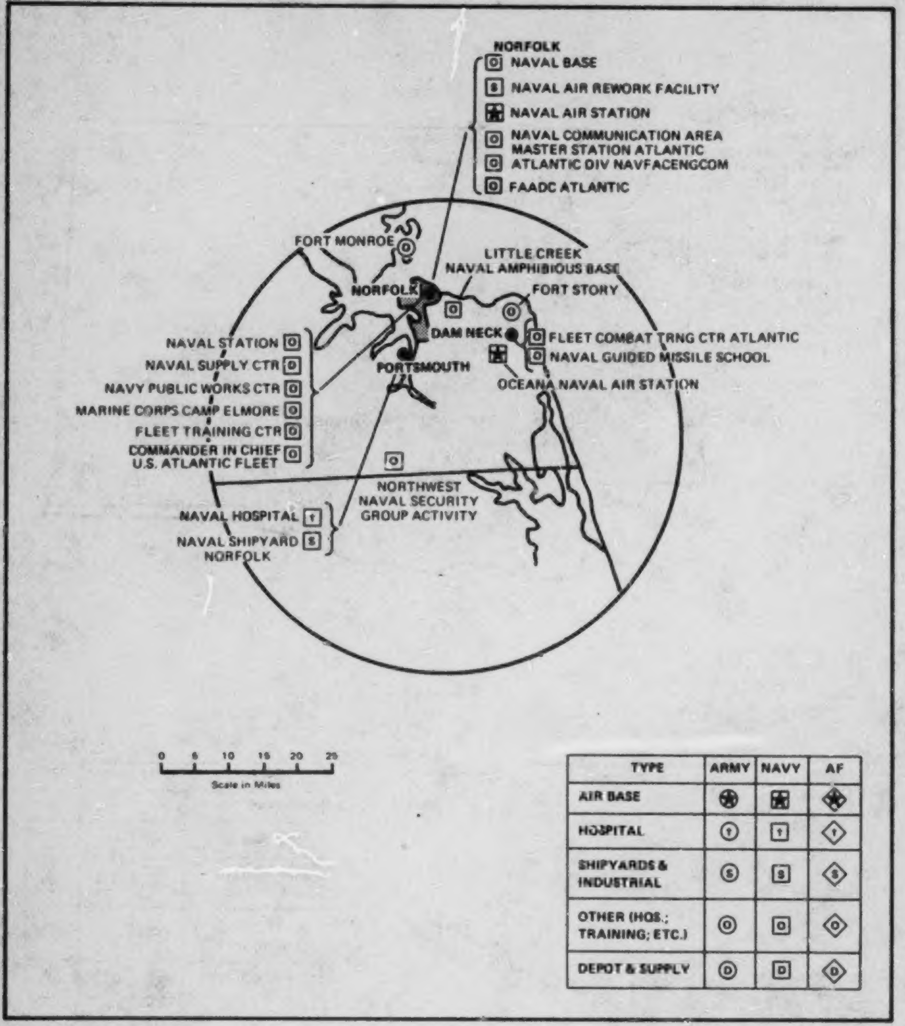
MAP NO. 50

VIRGINIA


*SEE WASHINGTON, D.C. METROPOLITAN AREA MAP FOR ARLINGTON AND FAIRFAX COUNTIES, ALEXANDRIA AND FALLS CHURCH.
MARINE CORPS AIR FACILITY
MARINE CORPS DEVELOPMENT & EDUCATION CMD
QUANTICO
VINT HILL FARMS STA
DAHLGREN NAVAL SURFACE WEAPONS CTR
FORT A P HILL (SEMI-ACTIVE)
WILLIAMSBURG NSC ANNEX CHEATHAM
RICHMOND
FORT EUSTIS
YORKTOWN NAVAL WEAPONS STA
DEFENSE GEN SUP CTR
FORT LEE
LANGLEY AFB
HQ TACTICAL AIR CMD
ROANOKE
RADFORD ARMY AMMUNITION PLANT
FORT PICKETT (SEMI-ACTIVE)
NORFOLK AREA (SEE MAP 51)
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

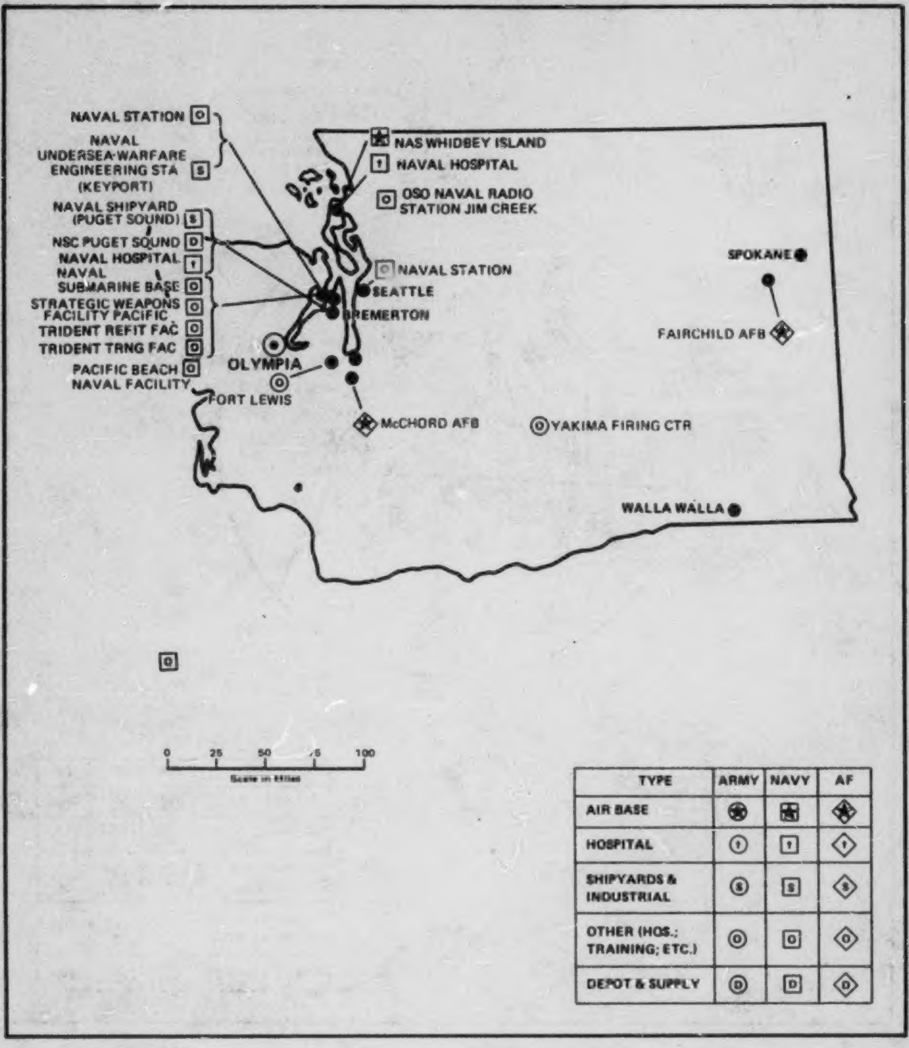
MAP NO. 51

NORFOLK AREA


NORFOLK
NAVAL BASE
NAVAL AIR REWORK FACILITY
NAVAL AIR STATION
NAVAL COMMUNICATION AREA MASTER STATION ATLANTIC
ATLANTIC DIV NAVFACENGCOM
FAADC ATLANTIC
FORT MONROE
LITTLE CREEK NAVAL AMPHIBIOUS BASE
NORFOLK
FORT STORY
DAM NECK
FLEET COMBAT TRNG CTR ATLANTIC
NAVAL GUIDED MISSILE SCHOOL
PORTSMOUTH
OCEANA NAVAL AIR STATION
NAVAL STATION
NAVAL SUPPLY CTR
NAVY PUBLIC WORKS CTR
MARINE CORPS CAMP ELMORE
FLEET TRAINING CTR
COMMANDER IN CHIEF U.S. ATLANTIC FLEET
NORTHWEST NAVAL SECURITY GROUP ACTIVITY
NAVAL HOSPITAL
NAVAL SHIPYARD NORFOLK
0 5 10 15 20 25
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

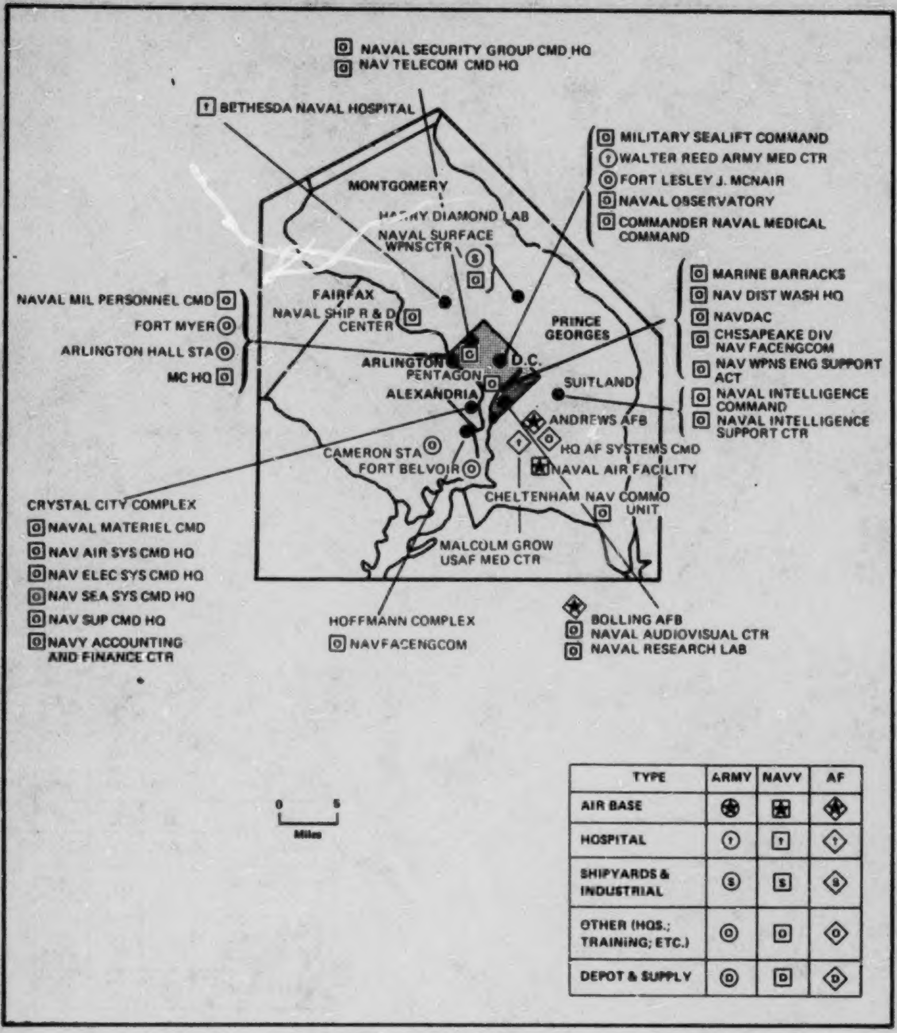
MAP NO. 52

WASHINGTON


NAVAL STATION
NAVAL UNDERSEA-WARFARE ENGINEERING STA (KEYPORT)
NAVAL SHIPYARD (PUGET SOUND)
NSC PUGET SOUND
NAVAL HOSPITAL
NAVAL SUBMARINE BASE
STRATEGIC WEAPONS FACILITY PACIFIC
TRIDENT REFIT FAC
TRIDENT TRNG FAC
PACIFIC BEACH NAVAL FACILITY
NAS WHIDBEY ISLAND
NAVAL HOSPITAL
OSO NAVAL RADIO STATION JIM CREEK
NAVAL STATION
SEATTLE
BREMERTON
OLYMPIA
FORT LEWIS
McCHORD AFB
YAKIMA FIRING CTR
SPOKANE
FAIRCHILD AFB
WALLA WALLA
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

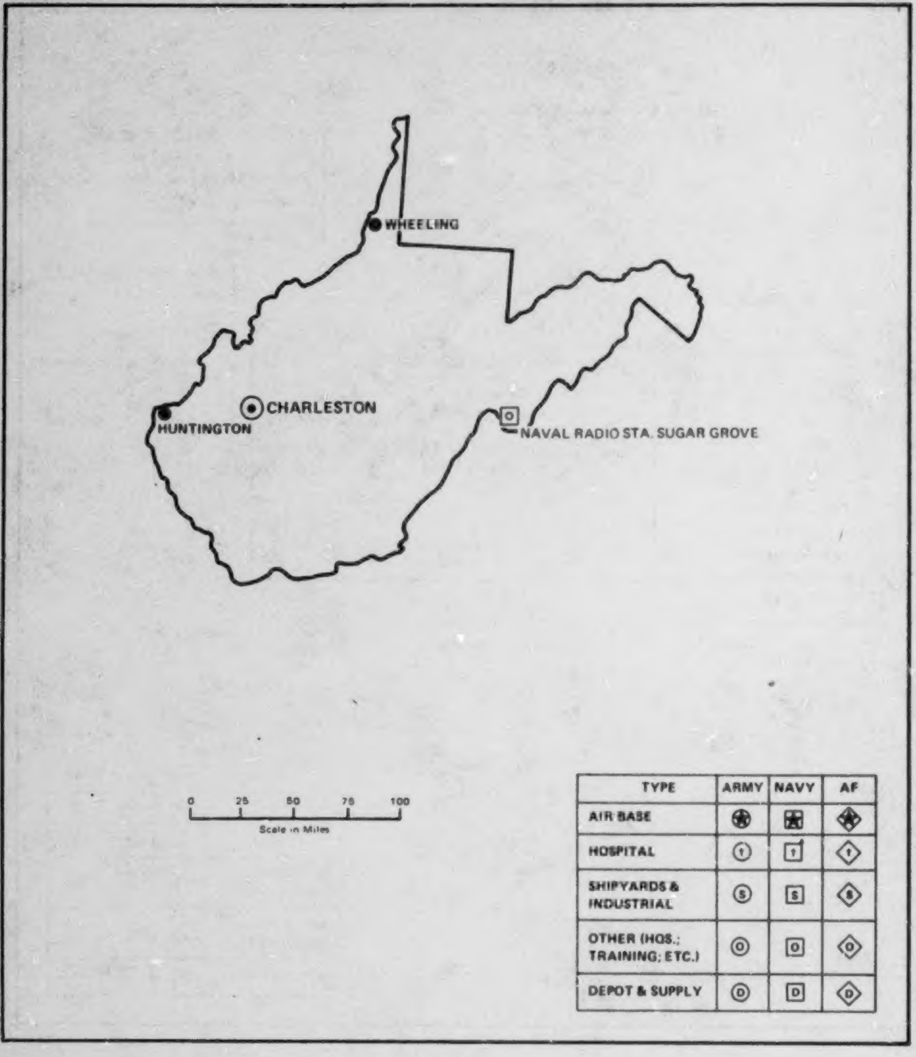
MAP NO. 53

WASHINGTON D.C. METRO AREA


NAVAL SECURITY GROUP CMD HQ
NAV TELECOM CMD HQ
BETHESDA NAVAL HOSPITAL
MILITARY SEALIFT COMMAND
WALTER REED ARMY MED CTR
FORT LESLEY J. MCNAIR
NAVAL OBSERVATORY
COMMANDER NAVAL MEDICAL COMMAND
MONTGOMERY
HARRY DIAMOND LAB
NAVAL SURFACE WPNS CTR
MARINE BARRACKS
NAV DIST WASH HQ
NAVDAC
CHESAPEAKE DIV NAV FACENGCOM
NAV WPNS ENG SUPPORT ACT
NAVAL INTELLIGENCE COMMAND
NAVAL INTELLIGENCE SUPPORT CTR
NAVAL MIL PERSONNEL CMD
FORT MYER
ARLINGTON HALL STA
MC HQ
FAIRFAX
NAVAL SHIP R & D CENTER
PRINCE GEORGES
ARLINGTON
D.C.
PENTAGON
ALEXANDRIA
SUITLAND
ANDREWS AFB
HQ AF SYSTEMS CMD
NAVAL AIR FACILITY
CAMERON STA
FORT BELVOIR
CHELTENHAM NAV COMMO UNIT
CRYSTAL CITY COMPLEX
NAVAL MATERIEL CMD
NAV AIR SYS CMD HQ
NAV ELEC SYS CMD HQ
NAV SEA SYS CMD HQ
NAV SUP CMD HQ
NAVY ACCOUNTING AND FINANCE CTR
MALCOLM GROW USAF MED CTR
HOFFMANN COMPLEX
NAVFACENGCOM
BOLLING AFB
NAVAL AUDIOVISUAL CTR
NAVAL RESEARCH LAB
0
5
Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

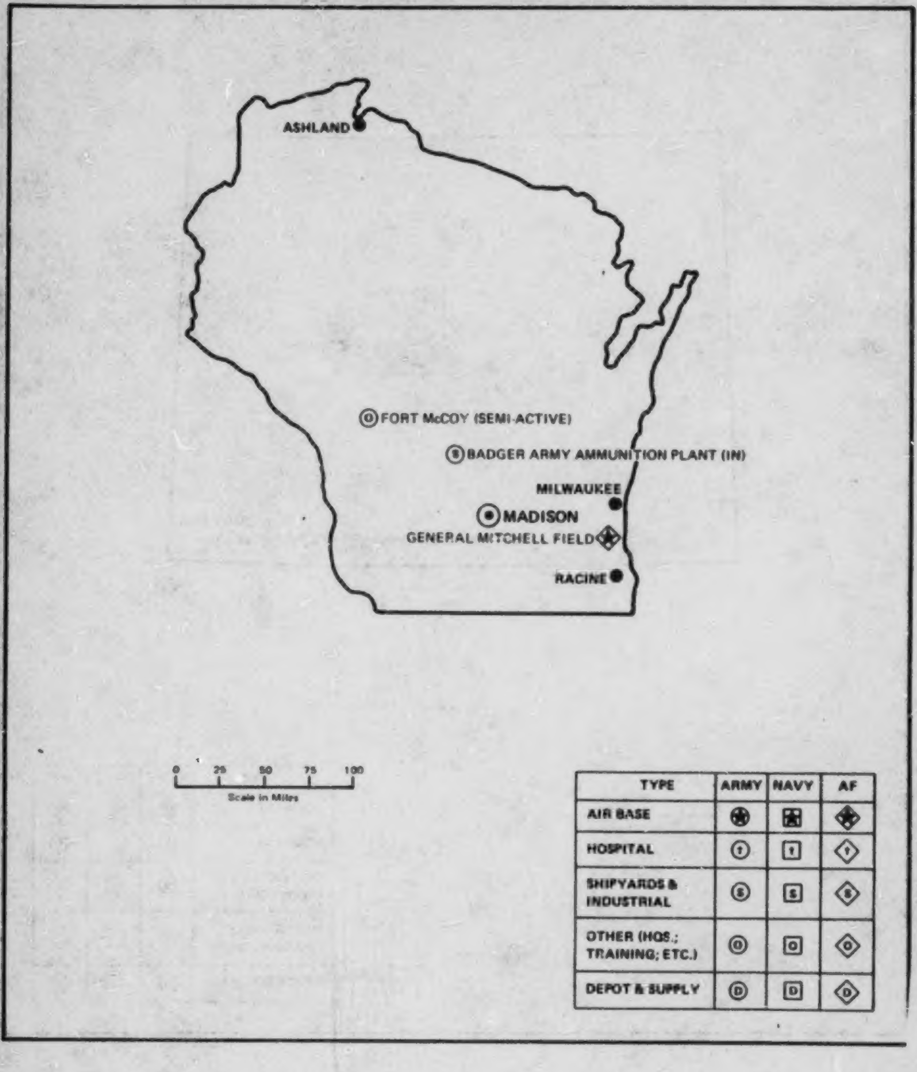
MAP NO. 54

WEST VIRGINIA


WHEELING
CHARLESTON
HUNTINGTON
NAVAL RADIO STA. SUGAR GROVE
0
25
50
75
100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

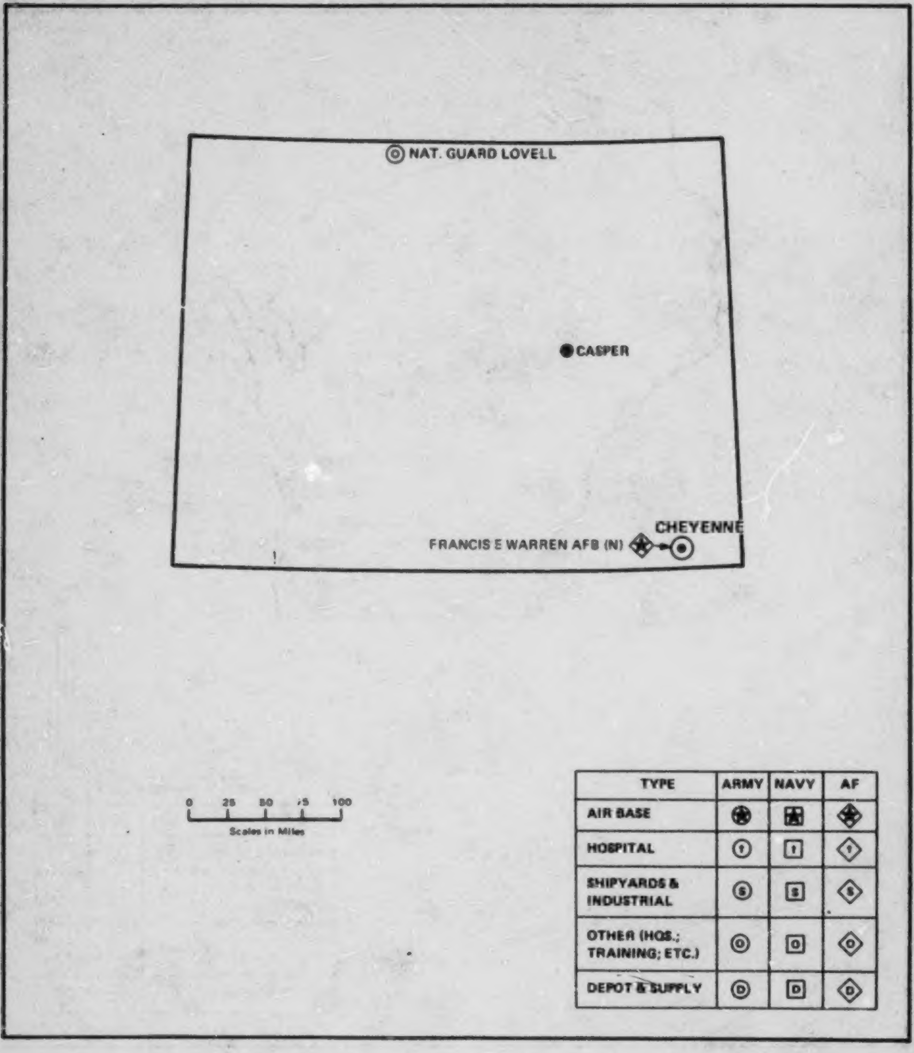
MAP NO. 55

WISCONSIN


ASHLAND
FORT McCOY (SEMI-ACTIVE)
BADGER ARMY AMMUNITION PLANT (IN)
MILWAUKEE
MADISON
GENERAL MITCHELL FIELD
RACINE
0 25 50 75 100
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

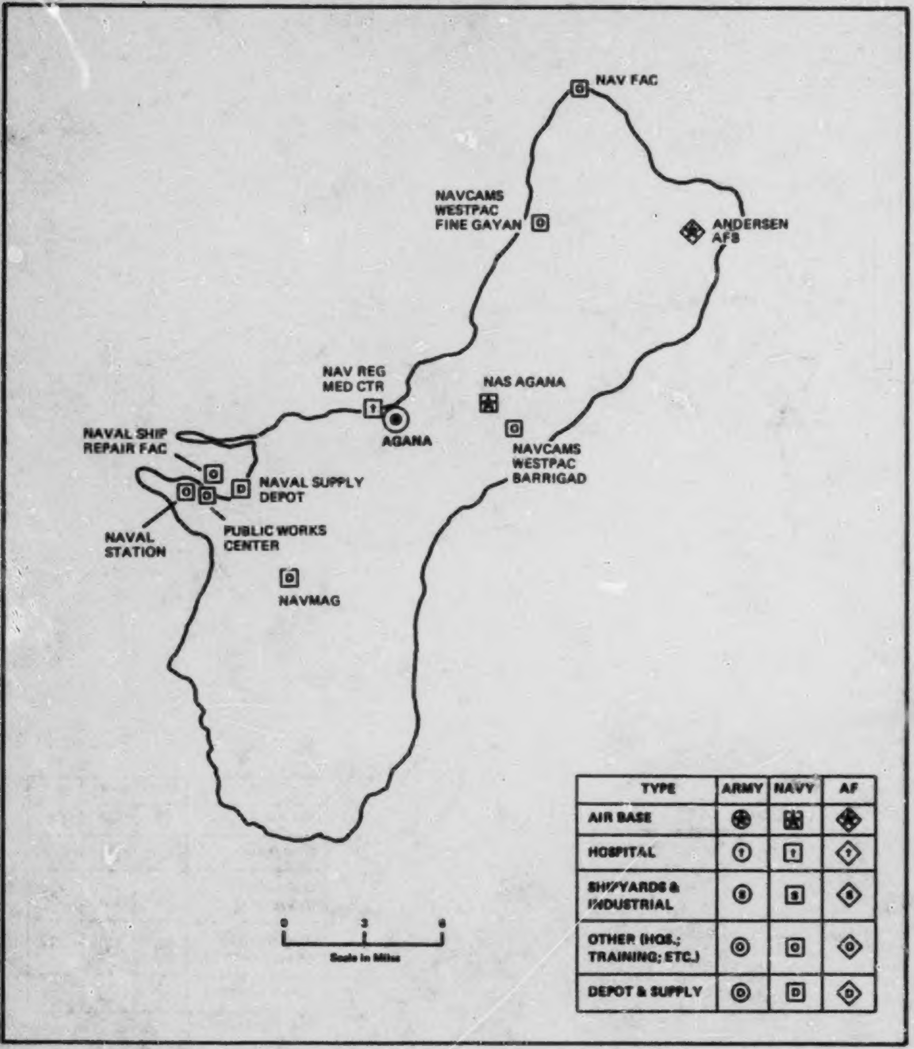
MAP NO. 56

WYOMING


NAT. GUARD LOVELL
CASPER
CHEYENNE
FRANCIS E WARREN AFB (N)
0
25
50
75
100
Scales in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

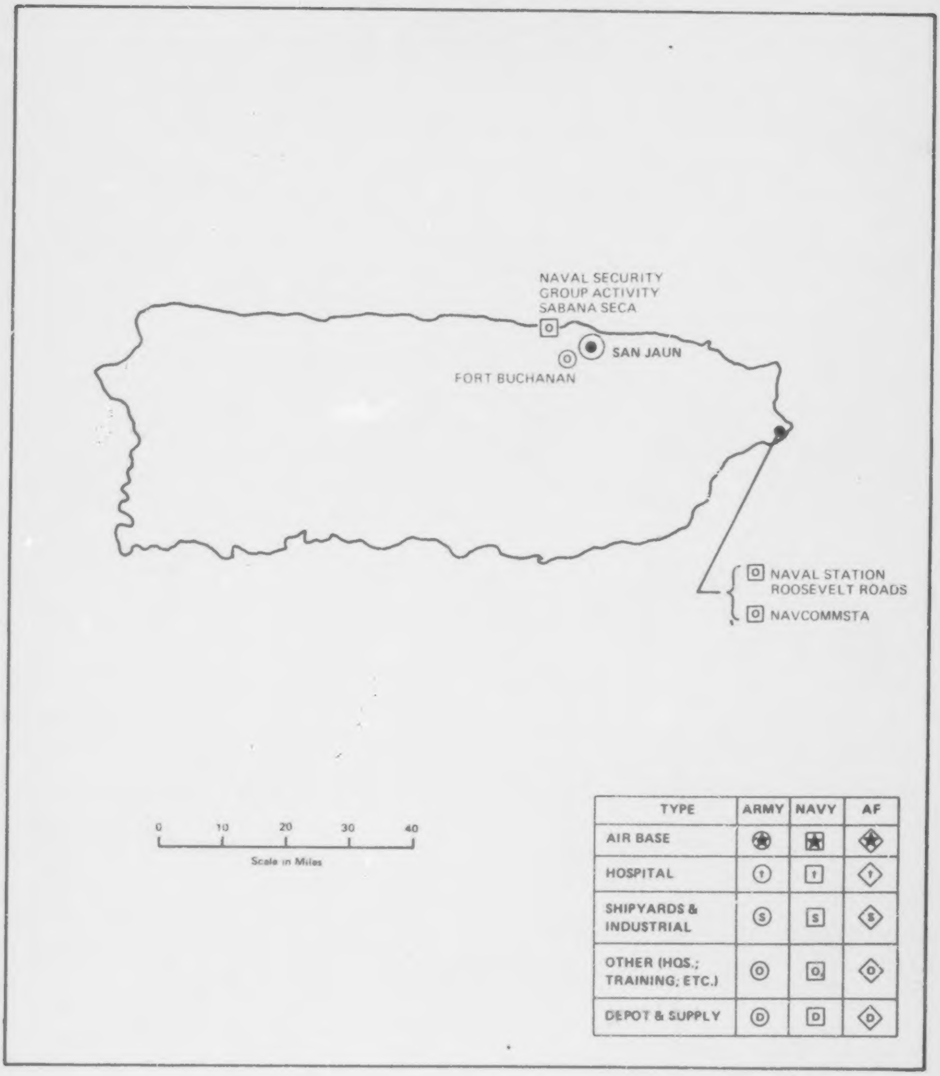
MAP NO. 57

GUAM


NAV FAC
NAVCAMS WESTPAC FINE GAYAN
ANDERSEN AFB
NAV REG MED CTR
NAS AGANA
AGANA
NAVCAMS WESTPAC BARRIGAD
NAVAL SHIP REPAIR FAC
NAVAL SUPPLY DEPOT
NAVAL STATION
PUBLIC WORKS CENTER
NAVMAG
0
3
6
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HOS.; TRAINING; ETC.)
DEPOT & SUPPLY

MAP NO. 58

PUERTO RICO


NAVAL SECURITY GROUP ACTIVITY SABANA SECA
SAN JAUN
FORT BUCHANAN
NAVAL STATION ROOSEVELT ROADS
NAVCOMMSTA
0
10
20
30
40
Scale in Miles
TYPE
ARMY
NAVY
AF
AIR BASE
HOSPITAL
SHIPYARDS & INDUSTRIAL
OTHER (HQS.; TRAINING; ETC.)
DEPOT & SUPPLY

KEY TO ABBREVIATIONS

A/P	Airport
AAP	Army Ammunition Plant
ACT	Activity
AF	Air Force
AFB	Air Force Base
AFS	Air Force Station
AGB	Air Guard Base
AMMO	Ammunition
AMPHIB	Amphibious
ANG	Air National Guard
ANGB	Air National Guard Base
ANGS	Air National Guard Station
APT	Airport
ARS	Arsenal
ASW	Anti-Submarine Warfare
AUX	Auxiliary
AV	Aviation
BCH	Beach
BN	Battalion
BRCH	Branch
CGAS	Coast Guard Air Station
CGB	Coast Guard Base
CHEM	Chemical
CMD	Command
CO	Company
COMMO	Communication
CONST	Construction
CORP	Corporation
CRT	Court
CTR	Center
DEF	Defense
DEP	Depot
DEV	Development
DIST	District
DIV	Division
DoD	Department of Defense
ENG	Engineer, Engineering
ED	Education
ELEC	Electronic
EQUIP	Equipment
FAADC	Fleet Account and Disbursing Center
FAC	Facility
FBMSTC	Fleet Ballistic Missile Submarine Training Center
FLD	Field
FOR	Force, Forest
FT	Fort
GARDS	Gardens
GEN	General
GEO	George
GOVT	Government
GRP	Group
HOSP	Hospital
HQ	Headquarters
HTS	Heights
(IN)	Inactive
IND	Industrial, Indian
INST	Installation
INT	International
ISL	Island
JUNC	Junction
LAB	Laboratory
LOG	Logistics
MC	Marine Corps
MCAGCC	Marine Corps Air Ground Combat Center
MCAS	Marine Corps Air Station
MCLB	Marine Corps Logistics Base
MCRD	Marine Corps Recruit Depot
MSC	Military Sealift Command
MED	Medical
MIL	Military
MOT	Military Ocean Terminal
MSL RGE	Missile Range
MTN	Mountain
MUN	Municipal
N	North
(N)	No Airfield
NAB	Naval Amphibious Base
NAF	Naval Airfield
NAS	Naval Air Station
NAT	National
NATC	Naval Air Test Center
NAV	Naval
NAVBASE	Naval Base
NAVCAMS	Naval Communications Area Master Station
NAVCOMMSTA	Naval Communication Station
NAVFACENGCOM	Naval Facilities Engineering Command
NAVMAG	Naval Magazine
NAV SHIPYD	Naval Shipyard
NGBRS	Neighbors
NO	Number
NORAD	North American Air Defense Command
NRMC	Naval regional Medical Center
NS	Naval Station
NSC	Naval Supply Center
NSD	Naval Supply Depot
NSG	Naval Security Group
NSUBB	Naval Submarine Base
NWC	Naval Weapons Center
NWS	Naval Weapons Station
OP	Operated, Operation
ORD	Ordnance
PAC	Pacific
PK	Park
PROV GRND	Proving Ground
PT	Point
PUB	Public
R & D	Research and Development
REG	Regional
RES	Research, Reservation, Reserve
RESRT	Resort
S	South
SCH	School
SEC	Section
SPRS	Springs
STA	Station
STRAT	Strategic
SUP	Supply
SVCS	Services
SYS	Systems
TRDG	Trading
TRG	Training
TRNG	Training
USAF	U.S. Air Force
UNIV	University
VIL	Village
W	West
WASH	Washington
WPNS	Weapons

INDEX OF MAJOR MILITARY INSTALLATIONS AND INDUSTRIAL FACILITIES NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE ARMY - MILITARY FUNCTIONS							
Aberdeen Proving Ground, MD	23	X			X		
Aliamanu Military Reservation, Honolulu, HI	14	X			X		
Allen, Ethan, Firing Range, Underhill, VT	49			X	X		
Allen, Ethan, National Guard Air Base, Burlington, VT	49	X			X		
Anniston Army Depot, AL	1	X			X		
Arlington Hall Station, DC Area	53	X			X		
Army Cold Regions Research Laboratory, Hanover, NH	32	X			X		
Army Materials and Mechanics Research Center, MA	24		X		X		
Ashland, Camp, National Guard, NE	30	X			X		
Atterbury Reserve Forces Training Area, Edinburgh, IN	17	X			X		
Badger Army Ammunition Plant, WI	55			X		X	
Belvoir, Fort, VA	53	X			X		
Benning, Fort, GA	13	X			X		
Bliss, Fort, TX	47	X			X		
Blue Grass Depot Activity, KY	20	X			X		
Bragg, Fort, NC	37	X			X		
Buchanan, Fort, PR	58	X			X		
Bullis, National Guard Camp, San Antonio, TX	47	X			X		
Cameron Station, VA	53	X			X		
Campbell, Fort, KY	20	X			X		
Campbell, Fort, TN	46	X			X		
Carlisle Barracks, PA	42	X			X		
Carson, Fort, CO	9	X			X		
Chaffee, Fort, AR	4	X			X		
Cornhusker Army Ammunition Plant, NE	30			X		X	
Defense Construction Supply Center (DLA), Columbus, OH	39	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS AND INDUSTRIAL FACILITIES

NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE ARMY - MILITARY FUNCTIONS							
Defense General Supply Center, Richmond, VA	50	X			X		
Defense Personnel Support Center, Philadelphia, PA	42	X			X		
Detrick, Fort, MD	23	X			X		
Detroit Arsenal, MI	25	X			X		
Detroit Arsenal Tank Plant, MI	25			X	X		
Devens, Fort, MA	24	X			X		
Dix, Fort, NJ	33	X			X		
Douglas, Fort, UT	48	X			X		
Drum, Fort, NY	35	X			X		
Dugway Proving Ground, UT	48	X			X		
Eustis, Fort, VA	50	X			X		
Fitzsimons Army Medical Center, CO	9	X			X		
Gerstle River Arctic Test Center, AK	2	X			X		
Gillem, Fort, GA	13	X			X		
Gordon, Fort, GA	13	X			X		
Greely, Fort, AK	2	X			X		
Hamilton, Fort, NY	36	X			X		
Harrison, Fort, Benjamin, IN	17	X			X		
Harry Diamond Laboratory, MD	53		X		X		
Hawthorne Army Ammunition Plant, NV	31		X		X		
Hays Army Ammunition Plant, PA	42			X		X	
Hill, Fort A. P., VA	50	X			X		
Holston Army Ammunition Plant, TN	46			X	X		
Hood, Fort, TX	47	X			X		
Houston, Fort Sam, TX	47	X			X		
Huachuca, Fort, AZ	3	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS AND INDUSTRIAL FACILITIES NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE ARMY - MILITARY FUNCTIONS							
Hunter Army Airfield, GA	13	X			X		
Hunter Liggett, Fort, CA	5	X			X		
Indiana Army Ammunition Plant, IN	17			X	X		
Indiantown Gap, Fort, PA	42	X				X	
Iowa Army Ammunition Plant, IA	18			X	X		
Irwin, Fort, CA	5	X			X		
Jackson, Fort, SC	44	X			X		
Jefferson Proving Ground, IN	17	X			X		
Joliet Army Ammunition Plant, IL (Elwood Unit)	16			X		X	
Joliet Army Ammunition Plant, IL (Kankakee Unit)	16			X		X	
Kansas Army Ammunition Plant, KS	19			X	X		
Knox, Fort, KY	20	X			X		
Kunia Field Station, HI	14	X			X		
Lake City Army Ammunition Plant, MO	28			X	X		
Leavenworth, Fort, KS	19	X			X		
Lee, Fort, VA	50	X			X		
Leonard Wood, Fort, MO	28	X			X		
Letterkenny Army Depot, PA	42	X			X		
Lewis, Fort, WA	52	X			X		
Lexington-Blue Grass Depot Activity, KY	20	X			X		
Lima Army Tank Center, OH	39			X	X		
Lone Star Army Ammunition Plant, TX	47			X	X		
Longhorn Army Ammunition Plant, TX	47			X	X		
Louisiana Army Ammunition Plant, LA	21			X	X		
Lovell National Guard Facility, WY	56	X			X		
McAlester Army Ammunition Plant, OK	40		X		X		

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NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE ARMY - MILITARY FUNCTIONS							
McClellan, Fort, AL	1	X			X		
McCoy, Fort, WI	55	X			X		
McNair, Fort Lesley J., DC	53	X			X		
McPherson, Fort, GA	13	X			X		
Meade, Fort George G., MD	23	X			X		
Memphis Defense Depot, TN	46	X			X		
Milan Army Ammunition Plant, TN	46			X	X		
Military Ocean Terminal (Bayonne) NJ	33	X			X		
Military Ocean Terminal (Sunny Point), NC	37	X			X		
Mississippi Army Ammunition Plant, MS	27			X	X		
Monmouth, Fort, NJ	33	X			X		
Monroe, Fort, VA	51	X			X		
Monterey, Presidio of, CA	5	X			X		
Myer, Fort, VA	53	X			X		
Natick Research and Development Center, MA	24	X			X		
Navajo Depot Activity, AZ	3	X			X		
New Cumberland Army Depot, PA	42	X			X		
Newport Army Ammunition Plant, IN	17			X	X		
Oakland Army Base, CA	8	X			X		
Ogden Defense Depot, UT	48	X			X		
Ord, Fort, CA	5	X			X		
Phosphate Development Works, AL	1			X		X	
Picatinny Arsenal, NJ	33	X			X		
Pickett, Fort, VA	50	X			X		
Pine Bluff Arsenal, AR	4		X			X	
Polk, Fort, LA	21	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS
AND INDUSTRIAL FACILITIES

NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE ARMY - MILITARY FUNCTIONS							
Pueblo Depot Activity, CO	9	X			X		
Radford Army Ammunition Plant, VA	50		X		X		
Ravenna Army Ammunition Plant, OH	39			X		X	
Red River Army Depot, TX	47	X			X		
Redstone Arsenal, AL	1		X		X		
Richardson, Fort, AK	2	X			X		
Riley, Fort, KS	19	X			X		
Ritchie, Fort, MD	23	X			X		
Riverbank Army Ammunition Plant, CA	5			X		X	
Rock Island Arsenal, IL	16		X		X		
Rocky Mountain Arsenal, CO	9		X		X		
Rucker, Fort, AL	1	X			X		
Sacramento Army Depot, CA	5	X			X		
Saginaw Army Aircraft Plant, TX	47			X	X		
St. Louis Area Support Center, IL	16	X			X		
St. Louis Army Ammunition Plant, MO	28			X		X	
San Francisco, Presidio of, CA	8	X			X		
Savanna Depot Activity, IL	16	X			X		
Schofield Barracks, HI	14	X			X		
Scranton Army Ammunition Plant, PA	42			X	X		
Seneca Army Depot, NY	35	X			X		
Shafter, Fort, HI	14	X			X		
Sharpe Army Depot, CA	5	X			X		
Sheridan, Fort, IL	16	X			X		
Sierra Army Depot, CA	5	X			X		
Sill, Fort, OK	40	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS AND INDUSTRIAL FACILITIES

NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE ARMY - MILITARY FUNCTIONS							
Stewart, Fort, GA	13	X			X		
Story, Fort, VA	51	X			X		
Stratford Army Engine Plant, CT	10		X		X		
Sunflower Army Ammunition Plant, KS	19			X		X	
Tarheel Army Missile Plant, NC	37			X	X		
Tobyhanna Army Depot, PA	42	X			X		
Tooele Army Depot, UT	48	X			X		
Tripler Army Medical Center, HI	14	X			X		
Twin Cities Army Ammunition Plant, MN	26			X		X	
Umatilla Depot Activity, OR	41	X			X		
U.S. Military Academy, NY	35	X			X		
Vint Hill Farms Station, VA	50	X			X		
Volunteer Army Ammunition Plant, TN	46			X		X	
Wainwright, Fort, AK	2	X			X		
Walter Reed Army Medical Center, DC	53	X			X		
Watervliet Arsenal, NY	35		X		X		
Weldon Springs Chemical Plant, MO	28		X				X
White Sands Missile Range, NM	34	X			X		
Wingate Depot Activity, NM	34	X			X		
Yakima Firing Center, WA	52	X			X		
Yuma Proving Ground, AZ	3	X			X		
DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Chief of Naval Education and Training, Pensacola, FL	12	X			X		
Commander in Chief, U.S. Atlantic Fleet, Norfolk, VA	51	X			X		
Commander in Chief, U.S. Pacific Fleet, Pearl Harbor, HI	14	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS AND INDUSTRIAL FACILITIES

NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Commander, Naval Medical Command, Washington, DC	53	X			X		
Commander, Naval Reserve Force, New Orleans, LA	21	X			X		
Fleet Accounting and Disbursing Center Atlantic, Norfolk, VA	51	X			X		
Fleet Anti-Submarine Warfare TRNG CTR Pacific, San Diego, CA	7	X			X		
Fleet Ballistic Missile Submarine TRNG CTR, Charleston, SC	44	X			X		
Fleet Combat Training Center Atlantic, Dam Neck, VA	51	X			X		
Fleet Combat Training Center Pacific, San Diego, CA	7		X		X		
Fleet Material Support Office, Mechanicsburg, PA	42	X			X		
Fleet Training Center, Mayport, FL	12	X			X		
Fleet Training Center, Norfolk, VA	51	X			X		
Fleet Training Center, San Diego, CA	7		X		X		
Marine Barracks, Washington, DC	53	X			X		
Marine Corps Air Facility, Quantico, VA	50	X			X		
Marine Corps Air Station, Beaufort, SC	44	X			X		
Marine Corps Air Station, Cherry Point, NC	37	X			X		
Marine Corps Air Station, El Toro, Santa Ana, CA	6		X		X		
Marine Corps Air Station, Kaneohe Bay, HI	14	X			X		
Marine Corps Air Station, New River, Jacksonville, NC	37	X			X		
Marine Corps Air Station (helicopter), Tustin, CA	6	X			X		
Marine Corps Air Station, Yuma, AZ	3	X			X		
Marine Corps Air-Ground Combat Center, Twentynine Palms, CA	5	X			X		
Marine Corps Automated Services Center, Kansas City, MO	28	X			X		
Marine Corps Base, Camp Lejeune, NC	37	X			X		
Marine Corps Base, Camp Pendleton, CA	5	X			X		
Marine Corps Camp Elmore, Norfolk, VA	51	X			X		
Marine Corps Camp H. M. Smith, Halawa Heights, HI	14	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS AND INDUSTRIAL FACILITIES NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Marine Corps Development and Education Command, Quantico, VA	50	X			X		
Marine Corps Finance Center, Kansas City, MO	28	X			X		
Marine Corps Headquarters, Arlington, VA	53	X			X		
Marine Corps Logistics Base, Albany, GA	13		X		X		
Marine Corps Logistics Base, Barstow, CA	5		X		X		
Marine Corps Recruit Depot, Parris Island, SC	44	X			X		
Marine Corps Recruit Depot, San Diego, CA	7	X			X		
Military Sealift Command Atlantic, Bayonne, NJ	33		X		X		
Military Sealift Command Pacific, Oakland, CA	8		X		X		
Military Sealift Command, Washington, DC	53	X			X		
Naval Academy, Annapolis, MD	23	X			X		
Naval Air Development Center, Warminster, PA	42		X		X		
Naval Air Engineering Center, Lakehurst, NJ	33	X			X		
Naval Air Facility, Andrews AFB, Camp Springs, MD	53	X			X		
Naval Air Facility, Detroit, Mt Clemens, MI	25	X			X		
Naval Air Facility, El Centro, CA	5	X			X		
Naval Air Propulsion Center, Trenton, NJ	33		X		X		
Naval Air Rework Facility, Alameda, CA	8		X		X		
Naval Air Rework Facility, Cherry Point, NC	37		X		X		
Naval Air Rework Facility, Jacksonville, FL	12		X		X		
Naval Air Rework Facility, Norfolk, VA	51		X		X		
Naval Air Rework Facility, North Island, San Diego, CA	7		X		X		
Naval Air Rework Facility, Pensacola, FL	12		X		X		
Naval Air Station, Agana, GU	57	X			X		
Naval Air Station, Alameda, CA	8	X			X		
Naval Air Station, Atlanta, Marietta, GA	13	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS
AND INDUSTRIAL FACILITIES

NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval Air Station, Barbers Point, HI	14	X			X		
Naval Air Station, Brunswick, ME	22	X			X		
Naval Air Station, Cecil Field, FL	12	X			X		
Naval Air Station, Chase Field, Beeville, TX	47	X			X		
Naval Air Station, Corpus Christi, TX	47	X			X		
Naval Air Station, Dallas, TX	47	X			X		
Naval Air Station, Fallon, NV	31	X			X		
Naval Air Station, Glenview, IL	16	X			X		
Naval Air Station, Jacksonville, FL	12	X			X		
Naval Air Station, Key West, FL	12	X			X		
Naval Air Station, Kingsville, TX	47	X			X		
Naval Air Station, Lemoore, CA	5	X			X		
Naval Air Station, Memphis, Millington, TN	46	X			X		
Naval Air Station, Meridian, MS	27	X			X		
Naval Air Station, Miramar, San Diego, CA	7	X			X		
Naval Air Station, Moffett Field, CA	8	X			X		
Naval Air Station, New Orleans, LA	21	X			X		
Naval Air Station, Norfolk, VA	51	X			X		
Naval Air Station, North Island, San Diego CA	7	X			X		
Naval Air Station, Oceana, Virginia Beach, VA	51	X			X		
Naval Air Station, Patuxent River, MD	23	X			X		
Naval Air Station, Pensacola, FL	12	X			X		
Naval Air Station, Point Mugu, CA	5	X			X		
Naval Air Station, South Weymouth, MA	24	X			X		
Naval Air Station, Whidbey Island, Oak Harbor, WA	52	X			X		
Naval Air Station, Whiting Field, Milton, FL	12	X			X		

INDEX OF MAJOR MILITARY INSTALLATIONS AND INDUSTRIAL FACILITIES NAME AND LOCATION	MAP NUMBER	ACTIVITY CLASS					
		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval Air Station, Willow Grove, PA	42	X			X		
Naval Air Systems Command Headquarters, Arlington, VA	53	X			X		
Naval Air Technical Training Center, Millington, TN	46	X			X		
Naval Air Test Center, Patuxent River, MD	23	X			X		
Naval Amphibious Base, Coronado, San Diego, CA	7	X			X		
Naval Amphibious Base, Little Creek, Norfolk, VA	51	X			X		
Naval Audiovisual Center, Washington, DC	53	X			X		
Naval Aviation Logistics Center, Patuxent River, MD	23	X			X		
Naval Aviation Supply Office, Philadelphia, PA	42	X			X		
Naval Avionics Center, Indianapolis, IN	17		X		X		
Naval Civil ENG Corps, Officers School, Port Hueneme, CA	5	X			X		
Naval Civil Engineering Lab, Port Hueneme, CA	5	X			X		
Naval Coastal Systems Center, Panama City, FL	12		X		X		
Naval Communication Area Master STA Atlantic, Norfolk, VA	51	X			X		
Naval Communication Area Master STA EASTPAC, Wahiawa, HI	14	X			X		
Naval Communication Area Master STA WESTPAC, Barrigad, GU	57	X			X		
Naval Communication Area Master STA WESTPAC, Finegayan, GU	57	X			X		
Naval Communication Station, Ponce, PR	58	X			X		
Naval Communication Station, San Diego, CA	7	X			X		
Naval Communication Station, Stockton, CA	8	X			X		
Naval Communication Unit Cutler, East Machias, ME	22	X			X		
Naval Communication Unit Washington, Cheltenham, MD	53	X			X		
Naval Construction Battalion Center, Davisville, RI	43	X			X		
Naval Construction Battalion Center, Gulfport, MS	27	X			X		
Naval Construction Battalion Center, Port Hueneme, CA	5	X			X		
Naval Data Automation Command, Navy Yard, Washington, DC	53	X			X		

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DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval District Washington Headquarters, Washington, DC	53	X			X		
Naval Education and Training Center, Newport, RI	43	X			X		
Naval Education and Training Program DEV CTR, Pensacola, FL	12	X			X		
Naval Electronic Systems Command Headquarters, Arlington, VA	53	X			X		
Naval Electronic Systems Engineering Center, San Diego, CA	7	X			X		
Naval Facilities ENG CMD, Atlantic Div, Norfolk, VA	51	X			X		
Naval Facilities ENG CMD, Chesapeake Div, Washington, DC	53	X			X		
Naval Facilities ENG CMD, Headquarters, Alexandria, VA	53	X			X		
Naval Facilities ENG CMD, Northern Div, Philadelphia, PA	42	X			X		
Naval Facilities ENG CMD, Pacific Div, Pearl Harbor, HI	14	X			X		
Naval Facilities ENG CMD, Southern Div, Charleston, SC	44	X			X		
Naval Facilities ENG CMD, Western Div, San Bruno, CA	8	X			X		
Naval Facility, Adak, AK	2	X			X		
Naval Facility, Barbers Point, HI	14	X			X		
Naval Facility, Centerville Beach, Ferndale, CA	5	X			X		
Naval Facility, Coos Head, Charleston, OR	41	X			X		
Naval Facility, GU	57	X			X		
Naval Facility, Pacific Beach, WA	52	X			X		
Naval Finance Center, Cleveland, OH	39	X			X		
Naval Guided Missile School, Dam Neck, Virgina Beach, VA	51	X			X		
Naval Home, Gulfport, MS	27	X			X		
Naval Hospital, Beaufort, SC	44	X			X		
Naval Hospital, Bethesda, MD	53	X			X		
Naval Hospital, Bremerton, WA	52	X			X		
Naval Hospital, Camp Lejeune, NC	37	X			X		
Naval Hospital, Camp Pendleton, CA	5	X			X		

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NAME AND LOCATION	MAP NUMBER	NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval Hospital, Charleston, SC	44	X			X		
Naval Hospital, Cherry Point, NC	37	X			X		
Naval Hospital, Corpus Christi, TX	47	X			X		
Naval Hospital, Great Lakes, IL	16	X			X		
Naval Hospital, Jacksonville, FL	12	X			X		
Naval Hospital, Lemoore, CA	5	X			X		
Naval Hospital, Long Beach, CA	6	X			X		
Naval Hospital, Memphis, TN	46	X			X		
Naval Hospital, New London, Groton, CT	10	X			X		
Naval Hospital, Newport, RI	43	X			X		
Naval Hospital, Oakland, CA	8	X			X		
Naval Hospital, Orlando, FL	12	X			X		
Naval Hospital, Patuxent River, MD	23	X			X		
Naval Hospital, Pensacola, FL	12	X			X		
Naval Hospital, Philadelphia, PA	42	X			X		
Naval Hospital, Portsmouth, VA	51	X			X		
Naval Hospital, San Diego, CA	7	X			X		
Naval Hospital, Whidbey Island, WA	52	X			X		
Naval Intelligence Command Headquarters, Suitland, MD	53	X			X		
Naval Intelligence Support Center, Suitland, MD	53	X			X		
Naval Magazine, GU	57	X			X		
Naval Magazine, Lualualei, HI	14	X			X		
Naval Material Command, Arlington, VA	53	X			X		
Naval Military Personnel Command, Arlington, VA	53	X			X		
Naval Nuclear Power Training Unit, Ballston Spa, NY	35	X			X		
Naval Nuclear Power Training Unit, Idaho Falls, ID	15	X			X		

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DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval Nuclear Power Training Unit, Windsor, CT	10	X			X		
Naval Observatory Flagstaff Station, Flagstaff, AZ	3	X			X		
Naval Observatory, Washington, DC	53	X			X		
Naval Ocean Systems Center, San Diego, CA	7		X		X		
Naval Oceanographic Office, NSTL Station, MS	27	X			X		
Naval Oceanography Command, NSTL Station, MS	27	X			X		
Naval Ordnance Station, Indian Head, Md	23		X		X		
Naval Ordnance Station, Louisville, KY	20		X		X		
Naval Postgraduate School, Monterey, CA	5	X			X		
Naval Publications and Forms Center, Philadelphia, PA	42		X		X		
Naval Radio Station Jim Creek, Oso, WA	52	X			X		
Naval Radio Station, Sugar Grove, WV	54	X			X		
Naval Recruit Training Command, Great Lakes, IL	16	X			X		
Naval Recruit Training Command, Orlando, FL	12	X			X		
Naval Recruit Training Command, San Diego, CA	7	X			X		
Naval Regional Medical Center, GU	57	X			X		
Naval Research Laboratory, Washington, DC	53		X		X		
Naval Sea Systems Command Headquarters, Arlington, VA	53	X			X		
Naval Security Group Activity, Adak, AK	2	X			X		
Naval Security Group Activity, Homestead, FL	12	X			X		
Naval Security Group Activity, Northwest, Chesapeake, VA	51	X			X		
Naval Security Group Activity, Sabana Seca, PR	58	X			X		
Naval Security Group Activity, Skaggs Island, Sonoma, CA	8	X			X		
Naval Security Group Activity, Winter Harbor, ME	22	X			X		
Naval Security Group Command Headquarters, Washington, DC	53	X			X		
Naval Ship Repair Facility, GU	57	X			X		

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DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval Ship Research and Development Center, Annapolis, MD	23	X			X		
Naval Ship Research and Development Center, Bethesda, MD	53	X			X		
Naval Ship Systems Engineering Station, Philadelphia, PA	42		X		X		
Naval Ship Weapon Systems Engineering STA, Port Hueneme, CA	5		X		X		
Naval Shipyard, Charleston, SC	44		X		X		
Naval Shipyard, Long Beach, CA	6		X		X		
Naval Shipyard, Mare Island, Vallejo, CA	8		X		X		
Naval Shipyard, Norfolk, Portsmouth, VA	51		X		X		
Naval Shipyard, Pearl Harbor, HI	14		X		X		
Naval Shipyard, Philadelphia, PA	42		X		X		
Naval Shipyard, Portsmouth, Kittery, ME	22		X		X		
Naval Shipyard, Puget Sound, Bremerton, WA	52	X			X		
Naval Station, Adak, AK	2	X			X		
Naval Station, Annapolis, MD	23	X			X		
Naval Station, Charleston, SC	44	X			X		
Naval Station, GU	57	X			X		
Naval Station, Keyport, WA	52	X			X		
Naval Station, Long Beach, CA	6	X			X		
Naval Station, Mayport, FL	12	X			X		
Naval Station, New York, Brooklyn, NY	36	X			X		
Naval Station, Norfolk, VA	51	X			X		
Naval Station, Pearl Harbor, HI	14	X			X		
Naval Station, Philadelphia, PA	42	X			X		
Naval Station, Roosevelt Roads, PR	58	X			X		
Naval Station, San Diego, CA	7	X			X		
Naval Station, Seattle, WA	52	X			X		

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DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval Station, Treasure Island, San Francisco, CA	8	X			X		
Naval Submarine Base, Bangor, WA	52	X			X		
Naval Submarine Base, Kings Bay, GA	13	X			X		
Naval Submarine Base, New London, Groton, CT	10	X			X		
Naval Submarine Base, Pearl Harbor, HI	14	X			X		
Naval Submarine Base, San Diego, CA	7	X			X		
Naval Submarine School, New London, Groton, CT	10	X			X		
Naval Submarine Support Facility, New London, Groton, CT	10	X			X		
Naval Supply Systems Command Headquarters, Arlington, VA	53	X			X		
Naval Supply Center, Charleston, SC	44	X			X		
Naval Supply Center, Cheatham Annex, Williamsburg, VA	50	X			X		
Naval Supply Center, Jacksonville, FL	12	X			X		
Naval Supply Center, Norfolk, VA	51	X			X		
Naval Supply Center, Oakland, CA	8	X			X		
Naval Supply Center, Pearl Harbor, HI	14	X			X		
Naval Supply Center, Puget Sound, Bremerton, WA	52	X			X		
Naval Supply Center, San Diego, CA	7	X			X		
Naval Supply Depot, GU	57	X			X		
Naval Support Activity, New Orleans, LA	21	X			X		
Naval Surface Weapons Center, Dahlgren, VA	50	X			X		
Naval Surface Weapons Center, Silver Spring, MD	53	X			X		
Naval Technical Training CTR, Corry Station, Pensacola, FL	12	X			X		
Naval Telecommunications CMD HQ, Washington, DC	53	X			X		
Naval Training Center, Great Lakes, IL	16	X			X		
Naval Training Center, Orlando, FL	12	X			X		
Naval Training Center, San Diego, CA	7	X			X		

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DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Naval Training Equipment Center, Orlando, FL	12	X			X		
Naval Undersea Warfare Engineering Station, Keyport, WA	52		X		X		
Naval Underwater Systems Center, Newport, RI	43		X		X		
Naval Underwater Systems Center Lab, New London, Groton, CT	10	X			X		
Naval War College, Newport, RI	43	X			X		
Naval Weapons Center, China Lake, CA	5		X		X		
Naval Weapons Center Annex, Corona, CA	6		X		X		
Naval Weapons ENG Support Activity, Washington, DC	53		X		X		
Naval Weapons Station, Charleston, SC	44		X		X		
Naval Weapons Station, Colts Neck, Earle, NJ	33		X		X		
Naval Weapons Station, Concord, CA	8		X		X		
Naval Weapons Station, Seal Beach, CA	6		X		X		
Naval Weapons Station, Yorktown, VA	50		X		X		
Naval Weapons Support Center, Crane, IN	17	X			X		
Navy Accounting and Finance Center, Arlington, VA	53	X			X		
Navy International Logistics Control Office, Philadelphia, PA	42	X			X		
Navy Public Works Center, Great Lakes, IL	16		X		X		
Navy Public Works Center, GU	57	X			X		
Navy Public Works Center, Norfolk, VA	51		X		X		
Navy Public Works Center, Pearl Harbor, HI	14		X		X		
Navy Public Works Center, Pensacola, FL	12		X		X		
Navy Public Works Center, San Diego, CA	7		X		X		
Navy Public Works Center, San Francisco Bay, Oakland, CA	8		X		X		
Navy Ships Parts Control Center, Mechanicsburg, PA	42	X			X		
Navy Supply Corps School, Athens, GA	13	X			X		
Ordnance Industrial Reserve Plant-Minneapolis, Fridley, MN	26			X	X		

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		NON IND	IND GOVT OP	IND CONTR OP	ACTIVE	STANDBY	EXCESS
DEPARTMENT OF THE NAVY - MILITARY FUNCTIONS							
Pacific Missile Range FAC, Barking Sands, Kekaha, Kauai, HI	14	X			X		
Pacific Missile Test Center, Point Mugu, CA	5		X		X		
Polaris Missile Facility, Atlantic, Charleston, SC	4		X		X		
Service Command School, Great Lakes, IL	16	X			X		
Service Command School, Orlando, FL	12	X			X		
Service Command School, San Diego, CA	7	X			X		
Strategic Weapons Facility Pacific, Bremerton, WA	52		X		X		
TRIDENT Refit Facility, Bangor, Bremerton, WA	52	X			X		
TRIDENT Training Facility, Bangor, Bremerton, WA	52	X			X		
Weapons Industrial Reserve Plants NOS. 3 & 5, Bethpage, NY	35			X	X		
Weapons Industrial Reserve Plant, Dallas, TX	47			X	X		
Weapons Industrial Reserve Plant, Pittsfield, MA	24			X	X		
Weapons Industrial Reserve Plant, Pomona, CA	6			X	X		
Weapons Industrial Reserve Plant, Sunnyvale, San Jose, CA	8			X	X		
DEPARTMENT OF THE AIR FORCE - MILITARY FUNCTIONS							
Air Force Plant NO. 3, Tulsa, OK	40			X	X		
Air Force Plant NO. 4, Fort Worth, TX	47			X	X		
Air Force Plant NO. 6, Marietta, GA	13			X	X		
Air Force Plant NO. 19, San Diego, CA	7			X	X		
Air Force Plant NO. 28, Everett, MA	24			X	X		
Air Force Plant NO. 29, Lynn, MA	24			X	X		
Air Force Plant NO. 36, Evandale, OH	39			X	X		
Air Force Plant NO. 38, Modeltown, NY	35			X	X		
Air Force Plant NO. 42, PROD FLT Test INST, Palmdale, CA	6			X	X		
Air Force Plant NO. 44, Tucson, AZ	3			X	X		

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DEPARTMENT OF THE AIR FORCE - MILITARY FUNCTIONS							
Air Force Plant NO 47, Cleveland, OH	39			X	X		
Air Force Plant NO 49, Buffalo, NY	35			X	X		
Air Force Plant NO 50, Halethorpe, MD	23			X	X		
Air Force Plant NO 59, Binghamton, NY	35			X	X		
Air Force Plant NO 63, North Grafton, MA	24			X	X		
Air Force Plant NO 70, Sacramento, CA	5			X	X		
Air Force Plant NO 78, Corinne, UT	48			X	X		
Air Force Plant NO 83, Albuquerque, NM	34			X	X		
Air Force Plant NO 84, St. Louis, MO	28			X	X		
Altus Air Force Base, OK	40	X			X		
Andersen Air Force Base, GU	57	X			X		
Andrews Air Force Base, MD	53	X			X		
Arnold Air Force Station, TN	46	X			X		
Avon Park Air Force Range, FL	12	X			X		
Barksdale Air Force Base, LA	21	X			X		
Beale Air Force Base, CA	5	X			X		
Bergstrom Air Force Base, TX	47	X			X		
Blytheville Air Force Base, AR	4	X			X		
Bolling Air Force Base, DC	53	X			X		
Brooks Air Force Base, TX	47	X			X		
Buckley Air National Guard Base, CO	9	X			X		
Cannon Air Force Base, NM	34	X			X		
Carswell Air Force Base, TX	47	X			X		
Castle Air Force Base, CA	5	X			X		
Chanute Air Force Base, IL	16	X			X		
Charleston Air Force Base, SC	44	X			X		

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DEPARTMENT OF THE AIR FORCE - MILITARY FUNCTIONS							
Chicago-O'Hare International Airport, IL	16	X			X		
Claiborne Air Force Range, Forrest Hill, LA	21	X			X		
Columbus Air Force Base, MS	27	X			X		
Dare County Range, Stumpy Point, NC	37	X			X		
Davis-Monthan Air Force Base, AZ	3	X			X		
Dobbins Air Force Base, GA	13	X			X		
Dover Air Force Base, DE	11	X			X		
Dyess Air Force Base, TX	47	X			X		
Edwards Air Force Base, CA	5	X			X		
Eglin Air Force Base, FL	12	X			X		
Eglin Auxiliary Airfield 9 (Hurlbert Field), FL	12	X			X		
Eglin Range, FL	12	X			X		
Eielson Air Force Base, AK	2	X			X		
Ellsworth Air Force Base, SD	45	X			X		
Elmendorf Air Force Base, AK	2	X			X		
England Air Force Base, LA	21	X			X		
Fairchild Air Force Base, WA	52	X			X		
Francis E. Warren Air Force Base, WY	56	X			X		
General Mitchell Field, WI	55	X			X		
Gentile Defense Electronics Supply Center, Dayton, OH	39	X			X		
George Air Force Base, CA	5	X			X		
Goodfellow Air Force Base, TX	47	X			X		
Grand Forks Air Force Base, ND	38	X			X		
Grant, David, USAF Medical Center, CA	8	X			X		
Greater Pittsburgh International Airport, PA	42	X			X		
Griffiss Air Force Base, NY	35	X			X		

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DEPARTMENT OF THE AIR FORCE - MILITARY FUNCTIONS							
Grissom Air Force Base, IN	17	X			X		
Gunter Air Force Base, AL	1	X			X		
Hancock Field, NY	35	X			X		
HQ Air Force Communications Command, Scott AFB, IL	16	X			X		
HQ Air Force Logistics Command, Wright-Patterson AFB, OH	39	X			X		
HQ Air Force Reserve, Robins Air Force Base, GA	13	X			X		
HQ Air Force Systems Command, Andrews AFB, MD	53	X			X		
HQ Air Training Command, Randolph Air Force Base, TX	47	X			X		
HQ Alaskan Air Command, Elmendorf Air Force Base, AK	2	X			X		
HQ Electronic Security Command, Kelly Air Force Base, TX	47	X			X		
HQ Military Airlift Command, Scott Air Force Base, IL	16	X			X		
HQ Pacific Air Forces, Hickam Air Force Base, HI	14	X			X		
HQ Strategic Air Command, Offutt Air Force Base, NE	30	X			X		
HQ Tactical Air Command, Langley Air Force Base, VA	50	X			X		
Hickam Air Force Base, HI	14	X			X		
Hill Air Force Base, UT	48	X			X		
Holloman Air Force Base, NM	34	X			X		
Homestead Air Force Base, FL	12	X			X		
Keesler Air Force Base, MS	27	X			X		
Keesler USAF Medical Center, MS	27	X			X		
Kelly Air Force Base, TX	47	X			X		
Kirtland Air Force Base, NM	34	X			X		
K.I. Sawyer Air Force Base, MI	25	X			X		
L.G. Hanscom Air Force Base, MA	24	X			X		
Lackland Air Force Base, TX	47	X			X		
Langley Air Force Base, VA	50	X			X		

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DEPARTMENT OF THE AIR FORCE - MILITARY FUNCTIONS							
Laughlin Air Force Base, TX	47	X			X		
Little Rock Air Force Base, AR	4	X			X		
Loring Air Force Base, ME	22	X			X		
Los Angeles Air Force Station, CA	6	X			X		
Lowry Air Force Base, CO	9	X			X		
Luke Air Force Base, AZ	3	X			X		
Luke Weapons Range, AZ	3	X			X		
MacDill Air Force Base, FL	12	X			X		
Malcolm Grow USAF Medical Center, Andrews AFB, MD	53	X			X		
Malmstrom Air Force Base, MT	29	X			X		
March Air Force Base, CA	5	X			X		
Mather Air Force Base, CA	5	X			X		
Maxwell Air Force Base, AL	1	X			X		
McChord Air Force Base, WA	52	X			X		
McClellan Air Force Base, CA	5	X			X		
McConnell Air Force Base, KS	19	X			X		
McEntire Air National Guard Base, SC	44	X			X		
McGuire Air Force Base, NJ	33	X			X		
Melrose Air Force Range, NM	34	X			X		
Minneapolis-St. Paul International Airport, MN	26	X			X		
Minot Air Force Base, ND	38	X			X		
Moody Air Force Base, GA	13	X			X		
Mountain Home Air Force Base, ID	15	X			X		
Myrtle Beach Air Force Base, SC	44	X			X		
Nellis Air Force Base, NV	31	X			X		
Nellis Air Force Range, NV	31	X			X		

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DEPARTMENT OF THE AIR FORCE - MILITARY FUNCTIONS							
Niagara Falls International Airport, NY	35	X			X		
NORAD, Cheyenne Mountain Complex, CO	9	X			X		
Norton Air Force Base, CA	5	X			X		
Offutt Air Force Base, NE	30	X			X		
Otis Air Force Base, MA	24	X			X		
Patrick Air Force Base, FL	12	X			X		
Pease Air Force Base, NH	32	X			X		
Peterson Air Force Base, CO	9	X			X		
Plattsburgh Air Force Base, NY	35	X			X		
Poinsett Air Force Range, Wedgefield, SC	44	X			X		
Pope Air Force Base, NC	37	X			X		
Randolph Air Force Base, TX	47	X			X		
Reese Air Force Base, TX	47	X			X		
Richards-Gebaur Air Force Base, MO	28	X			X		
Rickenbacker Air National Guard Base, OH	39	X			X		
Robins Air Force Base, GA	13	X			X		
Saylor Creek Air Force Range, Bruneau, ID	15	X			X		
Scott Air Force Base, IL	16	X			X		
Scott USAF Medical Center, IL	16	X			X		
Selfridge Air National Guard Base, MI	25	X			X		
Seymour Johnson Air Force Base, NC	37	X			X		
Shaw Air Force Base, SC	44	X			X		
Shemya Air Force Base, AK	2	X			X		
Sheppard Air Force Base, TX	47	X			X		
Superior Valley Air Force Range, CA	5	X			X		
Tinker Air Force Base, OK	40	X			X		

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DEPARTMENT OF THE AIR FORCE - MILITARY FUNCTIONS							
Travis Air Force Base, CA	8	X			X		
Tyndall Air Force Base, FL	12	X			X		
U.S. Air Force Academy, CO	9	X			X		
Utah Test and Training Range, UT	48	X			X		
Vance Air Force Base, OK	40	X			X		
Vandenberg Air Force Base, CA	5	X			X		
Westover Air Force Base, MA	24	X			X		
Wheeler Air Force Base, HI	14	X			X		
Whiteman Air Force Base, MO	28	X			X		
Wilford Hall USAF Medical Center, TX	47	X			X		
Williams Air Force Base, AZ	3	X			X		
Wright-Patterson Air Force Base, OH	39	X			X		
Wright-Patterson USAF Medical Center, OH	39	X			X		
Wurtsmith Air Force Base, MI	25	X			X		
Youngstown Municipal Airport, OH	39	X			X		

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DEPARTMENT OF THE ARMY

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Military Construction Family Housing and Homeowners Assistance

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PART II - AFH

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Alabama		Anniston Army Depot (AMC)					11
	111	Security Upgrade		1,950	1,950	50	13
		SUBTOTAL Anniston Army Depot PART I	$	1,950	1,950		
		Fort McClellan (TRADOC)					331
	308	Child Development Center		540	540	95	717
		SUBTOTAL Fort McClellan PART I	$	540	540		
		Fort Rucker (TRADOC)					333
	253	Stagefields		27,000	27,000	50	335
	269	Aerial Gunnery Range		17,500	17,500	35	337
		SUBTOTAL Fort Rucker PART I	$	44,500	44,500		
		Redstone Arsenal (AMC)					69
	293	Millimeter/Microwave Simulation Facility		19,500	19,500	60	71
		SUBTOTAL Redstone Arsenal PART I	$	19,500	19,500		
		* TOTAL MCA FOR Alabama	$	66,490	66,490		
Alaska		Fort Richardson (FORSCOM)					241
	289	Barracks Modernization		11,200	11,200	35	243
		SUBTOTAL Fort Richardson PART I	$	11,200	11,200		
		Fort Wainwright (FORSCOM)					267
	176	Child Development Center		11,000	11,000	45	269
	177	Utilities Expansion		31,000	31,000	60	271
	178	Tactical Equipment Shop		30,000	30,000	65	273
	181	Dining Facilities		16,500	16,500	80	275
	182	Barracks Modernization		21,000	21,000	35	277
	183	Tactical Equipment Shop		9,900	9,900	65	279
	184	Tactical Equipment Shop		7,300	7,300	65	281
		SUBTOTAL Fort Wainwright PART I	$	126,700	126,700		
		* TOTAL MCA FOR Alaska	$	137,900	137,900		

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Arizona		Fort Huachuca (OTHER)					663
	159	Electronic Test And Evaluation Center		3,400	3,400	100	665
	172	Communication Test Facility		5,600	5,600	100	668
	200	General Instruction Building		8,200	8,200	35	671
		SUBTOTAL Fort Huachuca PART I	$	17,200	17,200		
		Navajo Army Depot (AMC)					53
	39	Security Upgrade		3,900	3,900	35	55
		SUBTOTAL Navajo Army Depot PART I	$	3,900	3,900		
		Yuma Proving Ground (AMC)					95
	133	Child Development Religious Ed Facility		820	820	100	717
		SUBTOTAL Yuma Proving Ground PART I	$	820	820		
		* TOTAL MCA FOR Arizona	$	21,920	21,920		
California		Fort Irwin (FORSCOM)					209
	206	Troop Staging Area		820	820	35	718
	207	General Purpose Warehouse		2,050	2,050	N/A	211
		SUBTOTAL Fort Irwin PART I	$	2,870	2,870		
		Fort Ord (FORSCOM)					229
	966	Physical Fitness Training Center		4,450	4,450	80	231
	179	Flight Simulator Building		2,100	2,100	40	233
		SUBTOTAL Fort Ord PART I	$	6,550	6,550		
		Presidio of San Francisco (FORSCOM)					255
	124	Barracks		5,100	5,100	35	257
		SUBTOTAL Presidio of San Francisco PART I	$	5,100	5,100		
		Sierra Army Depot (AMC)					81
	78	Security Upgrade		2,450	2,450	60	83
		SUBTOTAL Sierra Army Depot PART I	$	2,450	2,450		
		* TOTAL MCA FOR California	$	16,970	16,970		

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Colorado		Fort Carson (FORSCOM)					169
	394	Range Roads Phase III		3,500	3,500	35	171
	405	Vehicle Washrack		7,800	7,800	40	699
		SUBTOTAL Fort Carson PART I	$	11,300	11,300		
		Pueblo Depot Activity (AMC)					63
	59	Security Upgrade		600	600	100	718
		SUBTOTAL Pueblo Depot Activity PART I	$	600	600		
		* TOTAL MCA FOR Colorado	$	11,900	11,900		
Georgia		Fort Benning (TRADOC)					291
	387	Fire Station		1,100	1,100	N/A	293
	393	Chapel		1,700	1,700	55	296
	421	Child Development Center Addition		280	280	100	719
	451	Vehicle Wash Facility		4,000	4,000	35	298
	452	Vehicle Wash Facility		9,100	9,100	35	301
		SUBTOTAL Fort Benning PART I	$	16,180	16,180		
		Fort McPherson (FORSCOM)					225
	33	Operations Facility		2,900	2,900	35	227
		SUBTOTAL Fort McPherson PART I	$	2,900	2,900		
		Fort Stewart (FORSCOM) Fort Stewart					263
	314	Flight Simulator Building		1,550	1,550	60	265
		SUBTOTAL Fort Stewart PART I	$	1,550	1,550		
		* TOTAL MCA FOR Georgia	$	20,630	20,630		
Hawaii		Hawaii Various (WESTCOM)					379
	11	Operations Support Facility		12,000	12,000	60	381
		SUBTOTAL Hawaii Various PART I	$	12,000	12,000		
		Schofield Barracks (WESTCOM)					383

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Hawaii		Schofield Barracks (WESTCOM) (Cont.)					383
		Schofield Barracks					
	148	Flight Simulator Building		2,900	2,900	35	385
		SUBTOTAL Schofield Barracks PART I	$	2,900	2,900		
		* TOTAL MCA FOR Hawaii	$	14,900	14,900		
Illinois		Fort Sheridan (FORSCOM)					259
	154	Barracks		2,050	2,050	50	261
		SUBTOTAL Fort Sheridan PART I	$	2,050	2,050		
		Savanna Army Depot (AMC)					75
	87	Security Upgrade		320	320	75	727
		SUBTOTAL Savanna Army Depot PART I	$	320	320		
		* TOTAL MCA FOR Illinois	$	2,370	2,370		
Indiana		Indiana Army Ammunition Plant (AMMO FACS)					107
	46	Access Roads to Shiphouses		260	0	100	111
	47	Modernize Testing Laboratories		1,300	0	100	113
		SUBTOTAL Indiana Army Ammunition Plant PART I	$	1,560	0		
		* TOTAL MCA FOR Indiana	$	1,560	0		
Kansas		Fort Leavenworth (TRADOC)					321
	109	Water Storage Tank		1,100	1,100	75	323
		SUBTOTAL Fort Leavenworth PART I	$	1,100	1,100		
		Fort Riley (FORSCOM)					245
	399	Child Development Center		4,250	4,250	35	247
	403	Barracks Modernization		6,100	6,100	35	249
	405	Primary Water Supply Connection		2,150	2,150	35	251
		SUBTOTAL Fort Riley PART I	$	12,500	12,500		
		Kansas Army Ammunition Plant (AMMO FACS)					115

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Kansas		Kansas Army Ammunition Plant (AMMO FACS) (Cont.)					115
	33	Upgrade Coal Handling System Building 209		640	0	90	117
	36	Emergency Lighting & Power for 300 Line		410	0	65	119
		SUBTOTAL Kansas Army Ammunition Plant PART I	$	1,050	0		
		* TOTAL MCA FOR Kansas	$	14,650	13,600		
Kentucky		Fort Campbell (FORSCOM)					161
	200	Vehicle Wash Facility		4,500	4,500	40	163
	306	Aircraft Maintenance Hangar		16,500	16,500	40	166
	303	Fuel Pumping Station		240	240	25	728
		SUBTOTAL Fort Campbell PART I	$	21,240	21,240		
		Fort Knox (TRADOC)					317
	394	Applied Instruction Facility		3,200	3,200	35	319
		SUBTOTAL Fort Knox PART I	$	3,200	3,200		
		Lexington Blue Grass Depot Activity (AMC)					67
	82	Security Upgrade		540	540	75	728
		SUBTOTAL Lexington Blue Grass Depot Activity PART I	$	540	540		
		* TOTAL MCA FOR Kentucky	$	24,980	24,980		
Louisiana		Fort Polk (FORSCOM)					235
	259	Multi Purpose Range Complex		27,000	27,000	35	237
		SUBTOTAL Fort Polk PART I	$	27,000	27,000		
		* TOTAL MCA FOR Louisiana	$	27,000	27,000		
Maryland		Aberdeen Proving Ground (AMC)					3
	320	Condensate Return		750	750	NA	735
	321	Applied Instruction Facility		23,000	23,000	100	5
	332	Barracks Complex		19,000	19,000	50	8
		SUBTOTAL Aberdeen Proving Ground PART I	$	42,750	42,750		
		Harry Diamond Laboratories (AMC)					29

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Maryland		Harry Diamond Laboratories (AMC) (Cont.)					22
	26	Computer Laboratory Addition		680	680	0	735
		SUBTOTAL Harry Diamond Laboratories PART I	$	680	680		
		* TOTAL MCA FOR Maryland	$	43,430	43,430		
Massachusetts		Fort Devens (FORSCOM)					177
	197	Academic Instruction Facility		6,800	6,800	70	179
	198	Academic Instruction Facility		9,500	9,500	50	182
	204	Barracks Modernization		4,500	4,500	45	185
		SUBTOTAL Fort Devens PART I	$	20,800	20,800		
		* TOTAL MCA FOR Massachusetts	$	20,800	20,800		
Michigan		Detroit Arsenal (AMC)					25
	53	Child Development Center		1,350	1,350	60	27
		SUBTOTAL Detroit Arsenal PART I	$	1,350	1,350		
		* TOTAL MCA FOR Michigan	$	1,350	1,350		
Missouri		Fort Leonard Wood (TRADOC)					353
	120	Engineer School Post Headquarters Building		14,000	14,000	100	355
	218	Unaccompanied Officers Housing		13,200	13,200	40	358
	219	Applied Instruction Facility		16,000	16,000	35	360
		SUBTOTAL Fort Leonard Wood PART I	$	43,200	43,200		
		Lake City Army Ammunition Plant (AMMO FACS)					121
	26	Water Wells		370	0	65	123
		SUBTOTAL Lake City Army Ammunition Plant PART I	$	370	0		
		* TOTAL MCA FOR Missouri	$	43,570	43,200		

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Nevada		Hawthorne Army Ammunition Plant (AMC)					39
	11	Ammunition Surveillance Facility		7,000	7,000	100	41
		SUBTOTAL Hawthorne Army Ammunition Plant PART I	$	7,000	7,000		
		* TOTAL MCA FOR Nevada	$	7,000	7,000		
New Jersey		Fort Monmouth (AMC)					49
	124	Unaccompanied Personnel Housing		4,900	4,900	45	51
		SUBTOTAL Fort Monmouth PART I	$	4,900	4,900		
		* TOTAL MCA FOR New Jersey	$	4,900	4,900		
New Mexico		Fort Wingate (AMC)					93
	11	Security Upgrade		350	350	35	735
		SUBTOTAL Fort Wingate PART I	$	350	350		
		* TOTAL MCA FOR New Mexico	$	350	350		
New York		Fort Drum (FORSCOM)					187
	1000	10th Mountain Division Facilities		615,000	232,000	35	189
		SUBTOTAL Fort Drum PART I	$	615,000	232,000		
		Seneca Army Depot (AMC)					77
	76	Security Upgrade		1,100	1,100	45	79
		SUBTOTAL Seneca Army Depot PART I	$	1,100	1,100		
		United States Military Academy (USMA)					365
	187	General Instruction Building		0	7,400	100	367
	219	Academic Facility Modernization		15,500	15,500	50	370
	237	Academic Facility Modernization Phase II		13,000	13,000	40	373
		SUBTOTAL United States Military Academy PART I	$	28,500	35,900		
		* TOTAL MCA FOR New York	$	644,600	269,000		

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North Carolina		Fort Bragg (FORSCOM)					143
	314	Special Forces Mission Support Facility		6,500	6,500	50	145
	388	Flight Simulator Building		1,300	1,300	100	148
	464	Operations Complex Phase II		5,200	5,200	35	150
	466	Tactical Equipment Shop		8,200	8,200	45	153
	473	Range Complex		1,050	1,050	90	156
	479	Aerial Gunnery Range		2,350	2,350	55	158
		SUBTOTAL Fort Bragg PART I	$	24,600	24,600		
		Sunny Point Military Ocean Terminal (OTHER)					649
	55	Provost Marshal Facility		650	650	100	736
		SUBTOTAL Sunny Point Military Ocean Terminal PART I	$	650	650		
		* TOTAL MCA FOR North Carolina	$	25,250	25,250		
Oklahoma		Fort Sill (TRADOC)					341
	333	Vehicle Wash Facility		3,050	3,050	35	343
		SUBTOTAL Fort Sill PART I	$	3,050	3,050		
		* TOTAL MCA FOR Oklahoma	$	3,050	3,050		
Oregon		Umatilla Depot Activity (AMC)					89
	40	Security Upgrade		1,850	1,850	90	91
		SUBTOTAL Umatilla Depot Activity PART I	$	1,850	1,850		
		* TOTAL MCA FOR Oregon	$	1,850	1,850		
Pennsylvania		Carlisle Barracks (TRADOC)					305
	5	Tactical Equipment Shop		800	800	35	737
		SUBTOTAL Carlisle Barracks PART I	$	800	800		
		Letterkenny Army Depot (AMC)					43
	130	Security Upgrade		1,900	1,900	35	45
		SUBTOTAL Letterkenny Army Depot PART I	$	1,900	1,900		
		New Cumberland Army Depot (AMC)					57

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Pennsylvania		New Cumberland Army Depot (AMC) (Cont.)					57
	84	Eastern Distribution Center Phase II		51,000	51,000	100	59
		SUBTOTAL New Cumberland Army Depot PART I		51,000	51,000		
		* TOTAL MCA FOR Pennsylvania	$	53,700	53,700		
South Carolina		Fort Jackson (TRADOC)					313
	173	Applied Instruction Facility		1,300	1,300	N/A	315
		SUBTOTAL Fort Jackson PART I	$	1,300	1,300		
		* TOTAL MCA FOR South Carolina	$	1,300	1,300		
Tennessee		Holston Army Ammunition Plant (AMMO FACS)					99
	70	Backup Electric Power		2,950	0	100	101
	72	Modernize A Composition Facilities Line 10		5,000	0	0	103
	73	Modernize Composition A 5 Drying Process		3,000	0	0	105
	74	Turbine Generator for Building B 6 (ECAM)		330	0	35	107
		SUBTOTAL Holston Army Ammunition Plant PART I	$	11,280	0		
		Milan Army Ammunition Plant (AMMO FACS)					125
	41	Ammunition Storage Magazines for Line B		610	0	95	127
		SUBTOTAL Milan Army Ammunition Plant PART I	$	610	0		
		* TOTAL MCA FOR Tennessee	$	11,890	0		
Texas		Corpus Christi Army Depot (AMC)					17
	43	Aircraft Maintenance Shop		7,200	7,200	80	19
	69	Composite Panel Preparation Facility		1,200	1,200	35	21
	70	Aircraft Maintenance Shop Addition		2,150	2,150	35	23
		SUBTOTAL Corpus Christi Army Depot PART I	$	10,550	10,550		
		Fort Hood (FORSCOM)					195
	503	Range Modernizations		0	4,500	100	197
	522	Academic Instruction Facility		2,750	2,750	60	200

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Texas		Fort Hood (FORSCOM) (Cont.)					195
	527	Vehicle Wash Facility		10,600	10,600	35	202
		SUBTOTAL Fort Hood PART I	$	13,350	17,850		
		Fort Sam Houston (FORSCOM)					205
	127	Child Development Center		2,900	2,900	35	207
	147	Water Storage Tank		800	800	35	738
		SUBTOTAL Fort Sam Houston PART I	$	3,700	3,700		
		Red River Army Depot (AMC)					65
	127	Security Upgrade		1,350	1,350	55	67
		SUBTOTAL Red River Army Depot PART I	$	1,350	1,350		
		* TOTAL MCA FOR Texas	$	28,950	33,450		
U S Various		Location(s) in CONUS (OTHER)					633
	4	Classified Project		7,400	7,400	N/A	635
		SUBTOTAL Location(s) in CONUS PART I	$	7,400	7,400		
		* TOTAL MCA FOR U S Various	$	7,400	7,400		
Utah		Dugway Proving Ground (AMC)					31
	230	Materiel Test Facility		9,700	9,700	90	23
	237	Community Center		3,200	3,200	50	36
		SUBTOTAL Dugway Proving Ground PART I	$	12,900	12,900		
		Tooele Army Depot (AMC)					85
	86	Security Upgrade		1,850	1,850	100	87
		SUBTOTAL Tooele Army Depot PART I	$	1,850	1,850		
		* TOTAL MCA FOR Utah	$	14,750	14,750		

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Virginia		Fort Belvoir (TRADOC)					285
	483	Child Development/Religious Ed Facility		5,600	5,600	50	287
		SUBTOTAL Fort Belvoir PART I	$	5,600	5,600		
		Fort Eustis (TRADOC)					307
	357	Applied Instruction Facility		2,050	2,050	80	309
		SUBTOTAL Fort Eustis PART I	$	2,050	2,050		
		Fort Lee (TRADOC)					325
	135	General Instruction Building Addition		7,600	7,600	35	327
	172	Barracks		10,000	10,000	95	329
		SUBTOTAL Fort Lee PART I	$	17,600	17,600		
		Fort Myer (OTHER)					689
	94	Physical Fitness Training Center		3,800	3,800	75	691
		SUBTOTAL Fort Myer PART I	$	3,800	3,800		
		Fort Story (TRADOC)					347
	53	Storage/Maintenance Facility		1,000	1,000	35	738
	59	Electrical Distribution System Upgrade		1,700	1,700	35	349
		SUBTOTAL Fort Story PART I	$	2,700	2,700		
		Radford Army Ammunition Plant (AMMO FACS)					129
	96	Steam Supply Line to Horseshoe Area		8,700	0	90	131
	97	Electric Power Center Upgrade		9,200	0	90	134
	98	Expand 155MM Stick Propellant Production		750	0	0	137
	99	Replace Explosion Protection Barricades		1,100	0	95	139
		SUBTOTAL Radford Army Ammunition Plant PART I	$	19,750	0		
		* TOTAL MCA FOR Virginia	$	51,500	31,750		
Washington		Fort Lewis (FORSCOM)					213
	313	Fire Protection System		480	480	40	739
	468	Refuse Incinerator Plant		13,000	13,000	65	215
	541	Landfill Upgrade		7,500	7,500	70	218

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Washington		Fort Lewis (FORSCOM) (Cont.)					213
	552	COMSEC Maintenance Facility		600	600	35	739
	553	Tactical Equipment Shop		4,400	4,400	35	221
		SUBTOTAL Fort Lewis PART I	$	25,980	25,980		
		* TOTAL MCA FOR Washington	$	25,980	25,980		
West Virginia		Camp Dawson (FORSCOM)					173
	1	Student Training Facility		8,700	8,700	35	175
		SUBTOTAL Camp Dawson PART I	$	8,700	8,700		
		* TOTAL MCA FOR West Virginia	$	8,700	8,700		
Wisconsin		Badger Army Ammunition Plant (AMC)					15
	23	Open/Close Landfill		980	980	35	740
		SUBTOTAL Badger Army Ammunition Plant PART I	$	980	980		
		* TOTAL MCA FOR Wisconsin	$	980	980		
**TOTAL INSIDE THE UNITED STATES FOR MCA			$	1,361,770	956,050		

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Worldwide Various		Minor Construction (MINOR)					703
	87	Minor Construction Unspecified		20,000	20,000	NA	705
		SUBTOTAL Minor Construction PART I	$	20,000	20,000		
		Planning and Design (PLNG & DES)					709
	87	Planning and Design		131,640	131,640	NA	711
		SUBTOTAL Planning and Design PART I	$	131,640	131,640		
		* TOTAL MCA FOR Worldwide Various	$	151,640	151,640		
**TOTAL OTHER FOR MCA			$	151,640	151,640		

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Foreign Various		OCONUS Location(s) Unspecified (OTHER)					657
	7	Pre Positioned War Material Facilities		4,900	4,900	NA	659
	8	Classified Project		4,000	4,000	NA	661
		SUBTOTAL OCONUS Location(s) Unspecified PART I	$	8,900	8,900		
		* TOTAL MCA FOR Foreign Various	$	8,900	8,900		
Germany		Germany Various (USAREUR)					483
		Ansbach					
	1340	Child Development Center		930	930	100	723
	2152	Ammunition Storage		860	860	45	724
		Aschaffenburg					
	1386	Tactical Equipment Shop		3,350	3,350	45	546
	2010	Hardstand		3,650	3,650	45	591
		Bad Kreuznach					
	1331	Child Development Center		900	900	100	722
	1375	Facility Modernization		10,200	10,200	40	532
		Bamberg					
	1387	Facility Modernization		18,000	18,000	35	548
		Baumholder					
	1169	Sewer/POL Separator		2,050	2,050	35	700
	1332	Command and Control Building		10,000	10,000	40	513
	1382	Child Development Center		2,000	2,000	35	540
	1423	Facility Modernization Phase IV		12,400	12,400	35	556
	2106	Ammunition Storage		4,400	4,400	40	597
		Bitburg					
	1335	Tactical Site Facilities		520	520	40	722
	1336	Tactical Equipment Shop		1,200	1,200	45	515
	1337	Barracks		13,800	13,800	40	517
	1348	Dining Facility		1,850	1,850	40	519
	1349	Heating Plant		2,550	2,550	40	521
		Einsiedlerhof					
	1582	Training Exercise Facility		4,750	4,750	100	584
		Frankfurt					
	1355	Crime Laboratory Modernization/Addition		3,500	3,500	35	529
		Fulda					
	259	Child Development Center		1,000	1,000	45	719
		Giessen					
	1424	Facility Modernization		16,000	16,000	50	559
	1428	Facility Modernization Phase III		970	970	45	724

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Germany		Germany Various (USAREUR) (Cont.)				483
		Giessen (Cont.)				
	1475	Dining Facility	2,100	2,100	35	564
	2186	Fuel Station	3,500	3,500	40	603
		Goeppingen				
	1575	Site Support Upgrade	1,850	1,850	35	572
		Hanau				
	1127	Tactical Equipment Shop	0	3,700	100	581
	1160	Child Development Center	1,850	1,850	60	504
	1350	Facility Modernization	11,000	11,000	50	523
	1385	Hardstand	2,500	2,500	45	543
	1543	Flight Simulator Building Addition	3,700	3,700	35	568
	2132	Aircraft Maintenance Hangar	7,100	7,100	40	600
		Heidelberg				
	1451	Child Development Center	1,600	1,600	40	562
	2296	Operations Building	0	1,800	100	614
		Heilbronn				
	1309	Barracks	2,100	2,100	40	511
		Hohenfels				
	791	Military Operations on Urbanized Terrain	0	2,800	100	492
	1399	Combat Maneuver Training Complex	8,800	8,800	40	551
		Kaiserslautern				
	1293	Petroleum Laboratory	1,400	1,400	40	508
		Karlsruhe				
	846	Facility Modernization	10,000	10,500	40	494
	2241	Tactical Equipment Shop	0	1,800	100	649
		Mannheim				
	1353	Range Complex	2,450	2,450	35	526
		Neu Ulm				
	1576	Site Support Upgrade	2,850	2,850	35	575
	1577	Site Support Upgrade	19,000	19,000	35	578
	2088	Tactical Equipment Shop	4,200	4,200	50	594
		Nuernberg				
	1381	Barracks	5,500	5,500	40	538
		Rheinberg				
	1133	Child Development Center	930	930	35	722
	1229	Physical Fitness Training Center	4,900	4,900	35	506
	2297	Barracks with Dining	14,800	14,800	35	616
	2298	Communications Center Conversion	400	400	35	735
	2299	Automated Data Processing Facility	580	580	35	725
	2301	Logistical Supply Facility	6,700	6,700	35	618
	2303	Administrative Space Alterations	7,200	7,200	35	620

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Germany		Germany Various (USAREUR) (Cont)					483
		Schweinfurt					
	34	Facility Modernization		16,000	16,000	40	489
	1322	Child Development Center		900	900	50	721
	1370	Facility Modernization Phase IV		8,500	8,500	40	535
	2200	Tactical Equipment Shop		13,600	13,600	40	611
		Stuttgart					
	1247	Sewer System Upgrade		820	820	40	720
		Various					
	1552	Maintenance Training Facility		1,050	1,050	45	570
	1579	Wartime Host Nation Support		17,500	17,500	0	581
	1583	Site Security Enhancements		17,000	17,000	20	586
		Vilseck					
	1090	Commissary Sales Store		7,300	7,300	40	497
	1093	Unaccompanied Officers Housing		4,050	4,050	40	499
	1356	Relocate Ammunition Area		920	920	40	723
	1400	Chapel/Religious Education Facility		3,450	3,450	40	584
	1476	Exchange Shopping Center		8,000	8,000	40	566
	2236	Post Office		1,300	1,300	40	605
	2238	Provost Marshal Facility		1,800	1,800	40	607
	2305	Utilities		36,000	36,000	40	623
	2306	Barracks		6,800	6,800	40	635
		Wildflecken					
	1592	Vehicle Wash Facility		3,800	3,800	20	588
		Wuerzburg					
	1313	Child Development Center		1,000	1,000	40	731
		SUBTOTAL Germany Various PART I	0	392,500	402,600		
		Location 280 (OTHER)					681
	6	Air Conditioning Upgrade		2,100	2,100	35	683
		SUBTOTAL Location 280 PART I	0	2,100	2,100		
		* TOTAL MCA FOR Germany	0	394,600	404,700		
Greece		Greece Various (USAREUR)					627
		Drama Remote Site					
	19	Operations Building Modernization		730	730	35	726
		Katsimidhi Site					
	13	Operations Building		560	560	35	726
		SUBTOTAL Greece Various PART I	0	1,290	1,290		
		* TOTAL MCA FOR Greece	0	1,290	1,290		

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Honduras		Honduras Various (OTHER)					651
	3	Contingency Facility		0	4,900	40	653
		SUBTOTAL Honduras Various PART I	$	0	4,900		
		* TOTAL MCA FOR Honduras	$	0	4,900		
Italy		Italy Various (USAREUR)					629
		Zelo					
	166	Barracks		610	610	35	727
		SUBTOTAL Italy Various PART I	$	610	610		
		* TOTAL MCA FOR Italy	$	610	610		
Japan		Japan Various (OTHER)					685
	170	Medical Supply Warehouse		1,200	1,200	100	687
		SUBTOTAL Japan Various PART I	$	1,200	1,200		
		* TOTAL MCA FOR Japan	$	1,200	1,200		
Korea		Korea Various (EUSA)					389
		Camp Carroll					
	1045	Medical Supply Warehouse		0	4,350	100	408
	1094	Tactical Equipment Shop		820	820	60	732
	1180	Storage Warehouse		920	920	60	734
		Camp Casey					
	933	Automated Field Fire Range		3,600	3,600	90	401
	1118	Communication/Electronics Maintenance Facs		490	490	35	733
	1120	Barracks		15,500	15,500	60	458
	1121	Tactical Equipment Shop Mod/Addn		3,400	3,400	35	461
	1178	Tank Range		1,950	1,950	90	478
		Camp Castle					
	1080	Flammable Material Storage		2,850	2,850	35	418
	1100	Barracks		1,950	1,950	35	430
		Camp Essayons					
	836	Physical Fitness Training Center		1,150	1,150	50	399
	1203	Barracks		1,850	1,850	50	442

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Korea		Korea Various (EUSA) (Cont.)				389
		Camp Greaves				
	1062	Tactical Equipment Shop	340	340	42	729
	1099	Barracks	2,350	2,350	42	436
	1114	Physical Fitness Training Center	1,300	1,300	42	450
		Camp Hovey				
	1036	Barracks	4,650	4,650	42	406
	1061	Dining Facility	4,350	4,350	42	410
		Camp Howze				
	1066	Tactical Equipment Shop	1,800	1,800	35	412
	1133	Barracks	4,050	4,050	60	444
		Camp Humphreys				
	1085	Tactical Equipment Shop	5,900	5,900	50	425
	1087	Aircraft Maintenance Hangar Addition	1,500	1,500	50	430
	1096	Unit Maintenance Hangar	3,700	3,700	60	432
	1112	Barracks	5,700	5,700	42	446
		Camp Jackson				
	1176	Barracks	1,800	1,800	42	474
		Camp Laguardia				
	1117	Barracks	2,650	2,653	42	454
	1166	Airfield Fire Station	320	320	42	733
		Camp Libby				
	1084	Tactical Equipment Shop	1,100	1,100	60	423
		Camp Liberty Bell				
	1038	Barracks	780	780	50	729
		Camp Long				
	1074	Unaccompanied Personnel Housing	5,600	5,600	42	414
		Camp Market				
	1023	Unaccompanied Officers Housing	540	540	80	729
		Camp Nimble				
	1113	Barracks	1,950	1,950	60	448
		Camp Page				
	1086	Unaccompanied Officers Housing	1,400	1,400	60	428
		Camp Pelham				
	1115	Barracks	980	980	42	732
	1154	Tactical Equipment Shop	1,300	1,300	42	470
		Camp Red Cloud				
	1123	Tactical Equipment Shop	2,300	2,300	60	464
	1177	Dining Facility	2,250	2,250	42	476
		Camp Stanley				
	1101	Barracks	2,450	2,450	42	440
	1116	Dining Facility	2,250	2,250	42	452

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Korea		Korea Various (EUSA) (Cont.)					309
		H220					
	1119	Barracks		2,750	2,750	60	455
		K 16 Army Airfield					
	981	Flight Simulator Building		1,600	1,600	100	404
	1089	Tactical Equipment Shop		920	920	50	731
		Pusan					
	662	General Purpose Warehouse		3,800	3,800	100	393
	834	Physical Fitness Training Center		1,400	1,400	60	397
	1081	Fire Station		340	340	35	730
	1125	Barracks		1,500	1,500	35	466
	1126	Barracks		5,900	5,900	60	460
		Second Infantry					
	1098	Barracks		2,800	2,800	50	434
	1169	Organizational Maintenance Shop		2,350	2,350	100	472
		Taegu					
	829	Underground Command and Control Facility		4,900	4,900	35	395
		Yongsan					
	1075	Unaccompanied Personnel Housing		2,500	2,500	42	416
	1082	Tactical Equipment Shop		2,500	2,500	42	420
	1083	Tactical Equipment Shop		1,000	1,000	50	730
	1088	Upgrade Tactical Equipment Shop		1,000	1,000	40	731
	1174	Battalion Headquarters		760	760	35	734
	1226	Widen Road		1,000	1,000	42	734
		SUBTOTAL Korea Various PART I	$	134,810	139,160		
		Location 177 (OTHER)					673
	34	Power Upgrade		1,950	1,950	35	675
		SUBTOTAL Location 177 PART I	$	1,950	1,950		
		* TOTAL MCA FOR Korea	$	136,760	141,110		
Kwajalein		Kwajalein Various (OTHER)					637
	231	Multiple Object Tracking Facility		2,400	2,400	50	639
	240	Mission Control Center Modification		5,100	5,100	50	642
	241	Unaccompanied Officers Housing		11,000	11,000	50	644
	244	Harbor/Channel Dredging		2,100	2,100	50	646
		SUBTOTAL Kwajalein Various PART I	$	20,600	20,600		
		* TOTAL MCA FOR Kwajalein	$	20,600	20,600		

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Panama Canal Zo		Fort Kobbe (OTHER)					655
	19	Aircraft Parking Apron Extension		420	420	100	737
		SUBTOTAL Fort Kobbe PART I	$	420	420		
		* TOTAL MCA FOR Panama Canal Zo	$	420	420		
Turkey		Location 276 (OTHER)					677
	152	Barracks Modernization		3,700	3,700	35	679
		SUBTOTAL Location 276 PART I	$	3,700	3,700		
		* TOTAL MCA FOR Turkey	$	3,700	3,700		
**TOTAL OUTSIDE THE UNITED STATES FOR MCA			$	568,160	587,510		
MILITARY CONSTRUCTION (PART I) TOTAL			$	2,081,570	1,695,200		

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987

INSTALLATION LIST

INSTALLATION	TAB	1390 PAGE
A		
Aberdeen Proving Ground	AMC	3
Anniston Army Depot	AMC	11
B		
Badger Army Ammunition Plant	AMC	15
Fort Belvoir	TRADOC	285
Fort Benning	TRADOC	291
Fort Bragg	FORSCOM	143
C		
Fort Campbell	FORSCOM	161
Carlisle Barracks	TRADOC	305
Fort Carson	FORSCOM	169
Corpus Christi Army Depot	AMC	17
D		
Camp Dawson	FORSCOM	173
Detroit Arsenal	AMC	25
Fort Devens	FORSCOM	177
Harry Diamond Laboratories	AMC	29
Fort Drum	FORSCOM	187
Dugway Proving Ground	AMC	31
E		
Fort Eustis	TRADOC	307
G		
Germany Various	USAREUR	483
Greece Various	USAREUR	627

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987

INSTALLATION LIST

INSTALLATION	TAB	1390 PAGE
H		
Hawaii Various	WESTCOM	379
Hawthorne Army Ammunition Plant	AMC	39
Holston Army Ammunition Plant	AMMO FACS	99
Honduras Various	OTHER	651
Fort Hood	FORSCOM	195
Fort Sam Houston	FORSCOM	205
Fort Huachuca	OTHER	663
I		
Indiana Army Ammunition Plant	AMMO FACS	109
Fort Irwin	FORSCOM	209
Italy Various	USAREUR	629
J		
Fort Jackson	TRADOC	313
Japan Various	OTHER	685
K		
Kansas Army Ammunition Plant	AMMO FACS	115
Fort Knox	TRADOC	317
Fort Kobbe	OTHER	655
Korea Various	EUSA	389
Kwajalein Various	OTHER	637
L		
Lake City Army Ammunition Plant	AMMO FACS	121
Fort Leavenworth	TRADOC	321
Fort Lee	TRADOC	325
Letterkenny Army Depot	AMC	43
Fort Lewis	FORSCOM	213
Lexington Blue Grass Depot Activity	AMC	47
Location(s) in CONUS	OTHER	633
Location 177	OTHER	673
Location 276	OTHER	677

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987

INSTALLATION LIST

INSTALLATION	TAB	1390 PAGE
Location 280	OTHER	681
M		
Fort McClellan	TRADOC	331
Fort McPherson	FORSCOM	225
Milan Army Ammunition Plant	AMMO FACS	125
Minor Construction	MINOR	703
Fort Monmouth	AMC	49
Fort Myer	OTHER	689
N		
Navajo Army Depot	AMC	53
New Cumberland Army Depot	AMC	57
O		
OCONUS Location(s) Unspecified	OTHER	657
Fort Ord	FORSCOM	229
P		
Planning and Design	PLNG & DES	709
Fort Polk	FORSCOM	235
Pueblo Depot Activity	AMC	63
R		
Radford Army Ammunition Plant	AMMO FACS	129
Red River Army Depot	AMC	65
Redstone Arsenal	AMC	69
Fort Richardson	FORSCOM	241
Fort Riley	FORSCOM	245
Fort Rucker	TRADOC	333

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987

INSTALLATION LIST

INSTALLATION	TAB	1390 PAGE
S		
Presidio of San Francisco	FORSCOM	255
Savanna Army Depot	AMC	75
Schofield Barracks	WESTCOM	383
Seneca Army Depot	AMC	77
Fort Sheridan	FORSCOM	259
Sierra Army Depot	AMC	81
Fort Sill	TRADOC	341
Fort Stewart	FORSCOM	263
Fort Story	TRADOC	347
Sunny Point Military Ocean Terminal	OTHER	649
T		
Tooele Army Depot	AMC	85
U		
Umatilla Depot Activity	AMC	89
United States Military Academy	USMA	365
W		
Fort Wainwright	FORSCOM	267
Fort Wingate	AMC	93
Fort Leonard Wood	TRADOC	353
Y		
Yuma Proving Ground	AMC	95

DEPARTMENT OF DEFENSE
MILITARY CONSTRUCTION, ARMY

The military construction program for the active Army in terms of budget plans shown in the schedules of this title are summarized in the following tabulation:

FISCAL YEAR	MILITARY CONSTRUCTION ARMY BUDGET PLAN ($000)
1985 (Actual)	1,593,137
1986 (Actual)	1,602,982
1987 (Estimate)	1,695,200

1. Major Construction. This program provides for military construction projects in the United States and overseas as authorized in currently effective Military Construction Acts and in the new Authorization Act which will be presented to Congress early in 1986. The FY 1987 program includes projects for support of deployed forces in overseas areas, for support of research and development, and for replacement and modernization of the overage physical plant at the Army's permanent installations.

2. Planning. This provides for necessary planning of military construction projects including design, standards, surveys, studies, and other related activities.

3. Minor Construction. Provision is made for construction of projects identified herein and for construction of future unspecified projects that have not been individually authorized by law which are determined to be urgent requirements and which do not cost more than the amounts specified in 10 USC 2805.

DEPARTMENT OF DEFENSE

MILITARY CONSTRUCTION, ARMY

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Army as currently authorized by law, and for construction and operation of facilities in support of the functions of the Commander-in-Chief, [$1,602,982,000] $1,695,200,000, to remain available until September 30, [1990] 1991: Provided, That of this amount, not to exceed [$133,000,000] $131,640,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

Military Construction, Army

17 JAN 86

Program and Financing (in Thousands of dollars) SUMMARY

Identification code 21-2050-0-1-051		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
		1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction	1,395,137	1,451,482	1,543,560	1,232,318	1,430,927	1,379,026
00.0201	Minor construction	29,000	18,500	20,000	28,216	25,261	20,000
00.0301	Planning	169,000	133,000	131,640	157,609	144,647	138,410
00.0401	Supporting activities				199	3,405	
00.9101	Total direct program	1,593,137	1,602,982	1,695,200	1,418,342	1,604,240	1,537,436
01.0101	Reimbursable program	1,153,403	805,000	867,105	1,291,772	805,000	867,105
10.0001	Total	2,746,540	2,407,982	2,562,305	2,710,114	2,409,240	2,404,541
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-1,059,981	-753,000	-815,105	-919,490	-753,000	-815,105
13.0001	Trust funds(-)	-74,530	-52,000	-52,000	-91,725	-52,000	-52,000
14.0001	Non-Federal sources(-)	-18,892			-19,299		
17.0001	Recovery of prior year obligations				-11,052		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-1,032,574	-950,789	-949,531
21.4007	Reprograming from/to prior year budget pla	-5,375					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				950,789	949,531	1,107,295
25.0001	Unobligated balance lapsing	5,375			5,375		
40.0001	Budget authority (Appropriation)	1,593,137	1,602,982	1,695,200	1,593,137	1,602,982	1,695,20
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				1,679,600	1,604,240	1,537,436
72.4001	Obligated balance, start of year				869,803	1,554,574	2,020,168
74.4001	Obligated balance, end of year				-1,554,574	-2,020,168	-2,265,574
77.0001	Adjustments in expired accounts				4,535		
78.0001	Adjustments in unexpired accounts				-11,052		
90.0001	Outlays				988,313	1,138,646	1,292,030

Military Construction, Army

17 JAN 86

Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2050-0-1-051	1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Personnel compensation:			
111.101	Full-time permanent	89,625	61,046	54,563
111.301	Other than full-time permanent	16,766	12,364	11,051
111.501	Other personnel compensation	4,200	3,864	3,453
111.901	Total personnel compensation	110,591	77,274	69,067
112.101	Personnel Benefits: Civilian personnel	14,498	10,184	9,094
113.001	Benefits for former personnel		214	193
121.001	Travel and transportation of persons	3,785	3,970	4,328
122.001	Transportation of things	1,185	1,747	1,305
123.301	Communications, utilities, and miscellaneous	4,360	7,940	8,659
124.001	Printing and reproduction	1,486	3,652	3,983
	Other services:			
125.001	Payments to foreign national indirect hire personnel	5,589	8,779	11,669
125.004	Other	268,292	339,517	370,258
126.001	Supplies and materials	1,372	3,811	4,156
131.001	Equipment	25,799	17,468	19,060
132.001	Lands and structures	980,269	1,126,279	1,035,663
199.001	Total Direct obligations	1,417,226	1,600,835	1,537,438
	Reimbursable obligations:			
	Personnel Compensation:			
211.101	Full-time permanent	155,073	142,441	125,352
211.301	Other than full-time permanent	33,705	28,848	25,783
211.501	Other personnel compensation	17,407	9,015	8,058
211.901	Total personnel compensation	206,185	180,304	159,195
212.101	Personnel Benefits: Civilian Personnel	30,240	23,762	20,955
221.001	Travel and transportation of persons	7,347	5,273	5,353
222.001	Transportation of things	400	684	694
223.301	Communications, utilities, and miscellaneous	1,377	3,027	3,073
224.001	Printing and reproduction	1,990	1,367	1,388
	Other services:			
225.004	Other	165,539	128,024	129,961
226.001	Supplies and materials	1,078	1,465	1,487
231.001	Equipment	10,018	6,543	6,642
232.001	Lands and structures	867,598	454,551	538,357
299.001	Total Reimbursable obligations	1,291,772	805,000	867,105
	Allocation Accounts			
	Personnel compensation:			
311.101	Full-time permanent	46	49	
311.501	Other personnel compensation	5	6	
311.901	Total personnel compensation	51	55	

Military Construction, Army

Object Classification (in Thousands of dollars) SUMMARY

17 JAN 86

Identification code 21-2050-0-1-051		1985 actual	1986 est.	1987 est.
312.101	Personnel benefits: Civilian personnel	5	6	
321.001	Travel and transportation of persons	6	7	
322.001	Transportation of things	1	2	
	Other services:			
325.004	Other	30	35	
326.001	Supplies and materials	4	6	
331.001	Equipment	1	3	
332.001	Lands and structures	1,018	3,291	
399.001	Total Allocation Accounts	1,116	3,405	
999.901	Total obligations	2,710,114	2,409,240	2,404,541
	Obligations are distributed as follows:			
	Defense-Military: Army	2,708,998	2,405,835	2,404,541
	Department of Transportation	1,116	3,405	
	Total Obligations	2,710,114	2,409,240	2,404,541

Special Program Considerations

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with priority by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in the program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

Planning in the National Capital Region

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the Commission's annual review of the Five-Year Defense Program (FYDP). Construction projects within the District of Columbia, with the exception of the Bolling/Anacostia area, are submitted to the Commission for approval prior to the start of construction.

Special Program Considerations (Continued)

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of Military Construction Projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a primary economic analysis was prepared and the results indicated on the DD Form 1391.

Alternate Construction Methods

In response to Congressional reporting requirements the following turnkey and architectural fabric projects are identified as best suited for these purposes:

- One Step Turnkey:
  - Ft Benning, GA; PN 387 Fire Station
  - Ft Irwin, CA; PN 207 General Purpose Warehouse
  - Ft Jackson, SC; PN 173 Applied Instruction Facility
- Architectural Fabric:
  - OCONUS - Unspecified Location; PN 7 Pre-Positioned War Material Facility

DEPARTMENT OF THE ARMY

MILITARY CONSTRUCTION (PART I) FY 1987

COMMAND SUMMARY

MAJOR ARMY COMMAND NAME	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
INSIDE THE UNITED STATES			
Assistant Chief of Engineers	7,400	7,400	633
Military Traffic Management Command	650	650	649
United States Military Academy	28,500	35,900	365
US Army Forces Command	943,090	564,590	143
US Army Information Systems Command	17,200	17,200	663
US Army Materiel Command	169,790	169,790	3
US Army Materiel Command (AMMO)	34,620	0	99
US Army Military District of Washington	3,800	3,800	689
US Army Training and Doctrine Command	141,820	141,820	285
US Army Western Command	14,900	14,900	379
OUTSIDE THE UNITED STATES			
Eighth United States Army	134,810	139,160	389
US Army Europe and Seventh Army	394,480	404,580	483
US Army Forces Command	9,320	14,220	651
US Army Intelligence and Security Command	7,750	7,750	673
US Army Japan	1,200	1,200	685
US Army Strategic Defense Command	20,600	20,600	637
OTHER			
Minor Construction	20,000	20,000	703
Planning and Design	131,640	131,640	709
TOTAL	$2,081,570	1,695,200	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
AMC

INSTALLATION PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Materiel Command						
Aberdeen Proving Ground, MD						3
320	Condensate Return	(SEE $1.0 M)		750	750	735
321	Applied Instruction Facility			23,000	23,000	5
332	Barracks Complex			19,000	19,000	8
	SUBTOTAL FOR Aberdeen Proving Ground		$	42,750	42,750	
Anniston Army Depot, AL						11
111	Security Upgrade			1,950	1,950	13
	SUBTOTAL FOR Anniston Army Depot		$	1,950	1,950	
Badger Army Ammunition Plant, WI						15
23	Open/Close Landfill	(SEE $1.0 M)		980	980	740
	SUBTOTAL FOR Badger Army Ammunition Plant		$	980	980	
Corpus Christi Army Depot, TX						17
42	Aircraft Maintenance Shop			7,200	7,200	19
69	Composite Panel Preparation Facility			1,200	1,200	21
70	Aircraft Maintenance Shop Addition			2,150	2,150	23
	SUBTOTAL FOR Corpus Christi Army Depot		$	10,550	10,550	
Detroit Arsenal, MI						25
53	Child Development Center			1,350	1,350	27
	SUBTOTAL FOR Detroit Arsenal		$	1,350	1,350	
Harry Diamond Laboratories, MD						29
26	Computer Laboratory Addition	(SEE $1.0 M)		680	680	735
	SUBTOTAL FOR Harry Diamond Laboratories		$	680	680	
Dugway Proving Ground, UT						31
230	Materiel Test Facility			9,700	9,700	33
237	Community Center			3,200	3,200	36
	SUBTOTAL FOR Dugway Proving Ground		$	12,900	12,900	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
AMC

INSTALLATION PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Materiel Command (Cont.)						
Hawthorne Army Ammunition Plant, NV						39
11	Ammunition Surveillance Facility			7,000	7,000	41
	SUBTOTAL FOR Hawthorne Army Ammunition Plant		$	7,000	7,000	
Letterkenny Army Depot, PA						43
130	Security Upgrade			1,900	1,900	45
	SUBTOTAL FOR Letterkenny Army Depot		$	1,900	1,900	
Lexington Blue Grass Depot Activity, KY						47
82	Security Upgrade	(SEE $1.0 M)		540	540	728
	SUBTOTAL FOR Lexington Blue Grass Depot Activity		$	540	540	
Fort Monmouth, NJ						49
124	Unaccompanied Personnel Housing			4,900	4,900	51
	SUBTOTAL FOR Fort Monmouth		$	4,900	4,900	
Navajo Army Depot, AZ						53
39	Security Upgrade			3,900	3,900	55
	SUBTOTAL FOR Navajo Army Depot		$	3,900	3,900	
New Cumberland Army Depot, PA						57
84	Eastern Distribution Center Phase II			51,000	51,000	59
	SUBTOTAL FOR New Cumberland Army Depot		$	51,000	51,000	
Pueblo Depot Activity, CO						63
59	Security Upgrade	(SEE $1.0 M)		600	600	718
	SUBTOTAL FOR Pueblo Depot Activity		$	600	600	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
AMC

INSTALLATION PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Materiel Command (Cont.)						
Red River Army Depot, TX						65
137	Security Upgrade			1,350	1,350	67
	SUBTOTAL FOR Red River Army Depot		$	1,350	1,350	
Redstone Arsenal, AL						69
293	Millimeter/Microwave Simulation Facility			19,500	19,500	71
	SUBTOTAL FOR Redstone Arsenal		$	19,500	19,500	
Savanna Army Depot, IL						75
87	Security Upgrade	(SEE $1.0 M)		320	320	727
	SUBTOTAL FOR Savanna Army Depot		$	320	320	
Seneca Army Depot, NY						77
76	Security Upgrade			1,100	1,100	79
	SUBTOTAL FOR Seneca Army Depot		$	1,100	1,100	
Sierra Army Depot, CA						81
78	Security Upgrade			2,450	2,450	83
	SUBTOTAL FOR Sierra Army Depot		$	2,450	2,450	
Tooele Army Depot, UT						85
86	Security Upgrade			1,850	1,850	87
	SUBTOTAL FOR Tooele Army Depot		$	1,850	1,850	
Umatilla Depot Activity, OR						89
40	Security Upgrade			1,050	1,050	91
	SUBTOTAL FOR Umatilla Depot Activity		$	1,050	1,050	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
AMC

INSTALLATION PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Materiel Command (Cont.)						
Fort Wingate, NM						93
33	Security Upgrade	(SEE $1.0 M)		350	350	736
	SUBTOTAL FOR Fort Wingate		$	350	350	
Yuma Proving Ground, AZ						95
133	Child Development/Religious Ed Facility	(SEE $1.0 M)		820	820	717
	SUBTOTAL FOR Yuma Proving Ground		$	820	820	
	*TOTAL US Army Materiel Command		$	169,790	169,790	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .94

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	713	2758	8870	687	1974	22	0	0	1326	16,350
B. END FY 91	743	2682	7034	385	3590	22	0	90	29	14,503

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 72,510 AC

B. INVENTORY TOTAL AS OF 30 SEP 85	299,353
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	42,750
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	43,844
F. PLANNED IN NEXT THREE YEARS	97,337
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	483,284

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	321	WHEELED VEH TECH INST BLDG	23,000	03/84	06/86
721	332	BARRACKS PH IV	19,000	12/84	10/86
		SUBTOTAL PROJECTS OVER $1M	42,000		
800	320	CONSENDATE RETURN ECIP	750	03/84	12/85
		SUBTOTAL PROJECTS $1M & LESS	750		
		TOTAL	42,750		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	METAL WORKING TNG BLDG	9,779
310	TOXICOLOGY RESEARCH FAC	17,203
310	CLIMATIC TEST FAC	4,724
315	FIRING BARRICADE FAC	5,700
311	MOD ACRFT VULNBTY TEST FAC	5,321
	SUBTOTAL PROJECTS OVER $1M	42,727
800	WINDOW PANELS ECIP	217
800	WALL/CEILING INSUL ECIP	900
	SUBTOTAL PROJECTS $1M & LESS	1,117
	TOTAL	43,844

10. MISSION OR MAJOR FUNCTIONS:

The Aberdeen Area of Aberdeen Proving Ground serves as the location of the installation headquarters. The focus of major missions undertaken at the installation include basic research,

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Aberdeen Proving Ground Maryland

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

testing and evaluation of ordnance and equipment, and the training of military personnel in supply and maintenance of ordnance and equipment. The Edgewood Area of Aberdeen Proving Ground provides research and development in the chemical, biological, and radiological areas.

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11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland	4.PROJECT TITLE Applied Instruction Facility

5.PROGRAM ELEMENT 84771A	6.CATEGORY CODE 171	7.PROJECT NUMBER 321	8.PROJECT COST ($000) Auth 23,000 Approp 23,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				17,535
Instruction/Maintenance Facility	SF	290,590	55.83	(16,223)
POL Storage Building	LS	-	-	(26)
Washrack Building	LS	-	-	(122)
Pumphouse w/Pumps	LS	-	-	(686)
Hardstand (Concrete)	SY	11,400	41.97	(478)
Supporting Facilities				3,587
Electric Service	LS	-	-	(499)
Water, Sewer & Gas	LS	-	-	(420)
Paving, Walks, Curbs & Gutters	LS	-	-	(755)
Storm Drainage	LS	-	-	(322)
Site Improvement (874) Demolition (209)	LS	-	-	(1,083)
Communication	LS	-	-	(508)
Subtotal				21,122
Contingency (5.00%)				1,056
Total Contract Cost				22,178
Supervision, Inspection & Overhead (5.50%)				1,220
Total Request				23,398
Total Request (Rounded)				23,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an applied instruction building to include work bays, classrooms, tool rooms, learning centers, supply rooms, battery charging rooms, welding bay, engine labs, instructor preparation areas, conference room, and vehicle maintenance shop. Construct a washrack, operational hardstand, POL and flammable material storage building and waste oil holding tank. Include all required utilities, paving, oil separators, security fencing and lighting, vehicle exhaust systems, computer terminals, storm drainage, communications, fire protection and alarm/detection system and site improvements. Heating provided by self-contained oil-fired heating plant. Air conditioning provided by self-contained system. Demolition of twelve (12) buildings (109,444 SF). Accessibility for handicapped will be provided. Air conditioning: 230 tons.

11. REQUIREMENT: 1,441,002 SF ADEQUATE: 501,147 SF SUBSTANDARD: 133,827 SF

PROJECT: Construct an applied instruction facility.

REQUIREMENT: This project is required to provide a permanent facility for the 63 Career Management Field which offers basic technical course and primary technical course expansion in support of force modernization of the U.S. Army wheeled vehicle inventory.

CURRENT SITUATION: The Wheeled Vehicle Department is currently utilizing a

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4.PROJECT TITLE Applied Instruction Facility		5.PROJECT NUMBER 321

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
building which was constructed in 1942 as a chemical munitions production plant. The structural design of the building leaves 30% of the total floor space unusable for the training mission. Besides space constraints, the building does not have sufficient or proper entryways for operation and maneuverability of vehicles. Current exhaust system is inadequte and does not meet minimum OSHA standards. Other safety hazards are present due to lack of fire protection and sound attenuation systems. New systems to be delivered in next four (4) years, such as the Commercial Utility Cargo Vehicle (CUCV), High Mobility Multipurpose Wheeled Vehicle (HMMWV), Heavy Expanded Mobile Tactical Truck (HEMTT) and the M939 5-ton series will increase building occupancy from 550 students to 1,100 students, 134 to 244 instructors, and add 170 additional pieces of equipment which will compound the already critical space allocation problem. No other facilities exist to satisfy this requirement.
IMPACT IF NOT PROVIDED: Continued use of this inadequate and unsafe facility, combined with projected increases in student, instructor and equipment loads, will degrade quality of instruction available to students, require double shifting of current staff and decrease the quantity and professionalism of mechanics disseminated to the field. This reduction in qualified mechanics will adversely affect the readiness posture of the Army.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... MAR 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... OCT 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 1022
(b) All Other Design Costs 78
(c) Total Cost 1,100
(d) Contract 0
(e) In-house 1100

(4) Construction Start .... JAN 87
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4.PROJECT TITLE Applied Instruction Facility		5.PROJECT NUMBER 321

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland	4. PROJECT TITLE Barracks Complex

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 721	7. PROJECT NUMBER 332	8. PROJECT COST ($000) Auth 19,000 Approp 19,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				13,773
Barracks	SF	148,800	58.56	(8,714)
Dining Facility	SF	17,200	135.66	(2,333)
Battalion Headquarters Building	SF	7,985	55.03	(439)
Company Administration & Supply	SF	14,490	56.39	(817)
Clothing Sales Store	SF	8,000	48.80	(390)
See Cost Estimates (Continued)				(1,080)
Supporting Facilities				3,286
Electric Service	LS	-	-	(617)
Water, Sewer & Gas	LS	-	-	(286)
Paving, Walks, Curbs & Gutters	LS	-	-	(1,282)
Storm Drainage	LS	-	-	(252)
Site Improvement (682) Demolition (9)	LS	-	-	(691)
Communication	LS	-	-	(158)
Subtotal				17,059
Contingency (5.00%)				853
Total Contract Cost				17,912
Supervision, Inspection & Overhead (5.50%)				985
Total Request				18,897
Total Request (Rounded)				19,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a barracks complex using the 2 plus 2 person room concept, a dining facility, three (3) company administration and supply buildings, battalion headquarters building, clothing sales store, and a new Red Cross building. Supporting facilities include utilities, fire protection, roads, walks, parking, communications and site improvements. Heating and air conditioning with central plant. Demolition of one (1) permanent building - (1,800 SF) and one (1) temporary building (10,650 SF). Air conditioning: 456 tons.

11. REQUIREMENT: 5,172 PN ADEQUATE: 2,181 PN SUBSTANDARD: 2,280 PN

PROJECT: Construct a barracks complex.

REQUIREMENT: This project is required to provide adequate housing for 668 E1-E4, 34 E5-E6, 2 E7-E9 (intended utilization), with a maximum utilization of 744.

CURRENT SITUATION: Troops are presently billeted in temporary-type wooden barracks that do not meet prescribed standards of adequacy.

IMPACT IF NOT PROVIDED: Continued utilization of existing facilities will result in reduced retention rates of the first term soldier.

12. SUPPLEMENTAL DATA:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4.PROJECT TITLE Barracks Complex		5.PROJECT NUMBER 332

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Red Cross Building	SF	1,800	58.56	105
Energy Plant & Distribution Sys	LS	-	-	975
			Total	1,080

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....DEC 84

(b) Percent Complete As Of January 1986 50

(c) Percent Complete As Of October 1986 90

(d) Date Design Complete ....OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 744

(b) All Other Design Costs 90

(c) Total Cost 834

(d) Contract 55

(e) In-house 779

(4) Construction Start .... MAR 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DD FORM 1 DEC 76 DD1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Anniston Army Depot Alabama	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .81

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	25	25	4837	0	0	9	0	0	126	5,022
B. END FY 91	32	31	4636	0	0	0	0	0	126	4,825

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	15,250 AC
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	119,945
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	1,950
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	23,828
F. PLANNED IN NEXT THREE YEARS....................................	5,252
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	150,975

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872	111	SECURITY AMMO UPGRADE	1,950	06/85	07/86
		SUBTOTAL PROJECTS OVER $1M	1,950		
		TOTAL	1,950		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
216	AMMO DEMILITARIZATION FAC	16,542
880	AMMO STORAGE SECURITY	2,361
872	CHEMICAL AREA SECURITY	4,925
	SUBTOTAL PROJECTS OVER $1M	23,828
	TOTAL	23,828
B. PLANNED NEXT THREE PROGRAM YEARS :		
821	HEAT PLANT MOD	3,891
	SUBTOTAL PROJECTS OVER $1M	3,891
810	OSHA DEFICIENCIES	912
	SUBTOTAL PROJECTS $1M & LESS	912
	TOTAL	4,803

10. MISSION OR MAJOR FUNCTIONS:

To operate a supply depot for the receipt, storage, and issue of assigned commodities, i.e., general supply and ammunition, strategic and critical materials, shelter supplies, war reserve stock, ect. To operate a depot maintenance facility for the repair, overhaul, modification, and

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Anniston Army Depot Alabama

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

conversion of assigned commodities,i.e., combat and tactical vehicles, artillary, small arms, ammunition, missiles, ect. To provide installation support to attached organizations, and to operate asigned facilities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Anniston Army Depot, Alabama	4. PROJECT TITLE Security Upgrade

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 880	7. PROJECT NUMBER 111	8. PROJECT COST ($000) Auth 1,950 Approp 1,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,662
Security Upgrade (16 Buildings)	LS	-	-	(1,137)
CCTV Cables	LF	73,730	6.22	(458)
Amplification Cabinets	LS	-	-	(12)
Infrared Detectors (Alternate)	LS	-	-	(16)
IDS (Installation Cost Only)	LS	-	-	(39)
Supporting Facilities				12
Communication	LS	-	-	(12)
Subtotal				1,674
Contingency (10.00%)				167
Total Contract Cost				1,841
Supervision, Inspection & Overhead (5.50%)				101
Total Request				1,942
Total Request (Rounded)				1,950
Installed Equipment - Other Appropriations				(650)

10. Description of Proposed Construction Modify sixteen (16) existing buildings to meet security requirements for storage of Category I and II munitions items. Modification will include structural reinforcement of walls and ceilings, installation of security doors, construction of security cubicles, provision of security lighting, and installation of an intrusion detention system (IDS).

11. REQUIREMENT: 102,543 SF ADEQUATE: None SUBSTANDARD: 102,543 SF

PROJECT: Upgrade physical security of sixteen (16) ammunition operational facilities.

REQUIREMENT: This project is required to upgrade the security of sixteen (16) ammunition operational facilities to handle Category I and II munitions items to support the installation's ammunition storage depot mission. Sensitivity of these munition items requires increased security protective measures to insure protection from terrorist action.

CURRENT SITUATION: Present facilities do not provide minimal security standards, in that they lack structural features and security measures - lighting and IDS - required for the storage of sensitive Category I and II items. Storage is currently allowed only through waiver of existing security regulations.

IMPACT IF NOT PROVIDED: If this project is not provided, the operational

1. COMPONENT ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Anniston Army Depot, Alabama

4. PROJECT TITLE

Security Upgrade

5. PROJECT NUMBER 111

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)
facilities will continue to operate under waiver to security regulations. Security force will continue to man or else maintain frequent physical security checks over the facilities whenever Category I or II ammo must remain in any of the buildings during nonduty hours.

ADDITIONAL: An Economic Analysis comparing this project with the alternative of waivered non-duty hour storage indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... JUN 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 134
(b) All Other Design Costs 47
(c) Total Cost 181
(d) Contract 134
(e) In-house 47

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrus Detect Equip	OPA	FY86	650
		TOTAL	650

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Badger Army Ammunition Plant Wisconsin	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.06

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	7	0	0	0	0	0	0	7
B. END FY 91	0	0	7	0	0	0	0	0	0	7

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 7,378 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85..................	142,828
C. AUTHORIZATION NOT YET IN INVENTORY..................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..................	980
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..................	0
F. PLANNED IN NEXT THREE YEARS..................	2,700
G. REMAINING DEFICIENCY..................	0
H. GRAND TOTAL..................	146,508

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
833	23	OPEN/CLOSE LANDFILL	980	04/85	04/86
		SUBTOTAL PROJECTS $1M & LESS	980		
		TOTAL	980		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS :		
831	BALL POWER WASTE WATER	2,700
	SUBTOTAL PROJECTS OVER $1M	2,700
	TOTAL	2,700

10. MISSION OR MAJOR FUNCTIONS:

Production of single base, solventless double base and ball powder propellants.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	1,020
B. WATER POLLUTION	9,476
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Corpus Christi Army Depot Texas	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .92

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	15	17	4368	0	0	0	0	0	0	4,400
B. END FY 91	17	18	4000	0	0	0	0	0	0	4,035

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 178 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	38,800
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	10,550
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,950
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	61,300

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
211	42	AIRCRAFT MAINTENANCE SHOP	7,200	03/85	06/86
211	70	AIRCRAFT MAINT SHOP ADDN	2,150	05/85	09/86
211	69	COMPOSITE PANEL PREP	1,200	03/85	09/86
		SUBTOTAL PROJECTS OVER $1M	10,550		
		TOTAL	10,550		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
211	AIRCRFT COMP MAINT SHP ALT	2,900
211	AIRCRFT INSTR REP/CAL FAC	6,700
211	POWER TRAIN FAC	2,350
	SUBTOTAL PROJECTS OVER $1M	11,950
	TOTAL	11,950

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

The Depot Mission is composed of four major elements: 1) Depot maintenance is performed on the Rotart Wing Fleet. A representative sample of the aircraft worked at the depot is the OH 6, UH 1 Huey, AH-1 Cobra, CH 47 and the OH 58. Interservice workload is also accomplished on similar Navy and Air Force Aircraft. 2) As part of our training effort we train both active Duty and Reserve Component Military Personnel. Approximately 2,000 of these personnel are trained each year. 3) Our supply distribution and storage function is primarily in support of our maintenance shops, but we also support the avaiation systems command. 4) We provide other depot maintenance support such as on site maintenance teams, crash damage analysis, oil analysis, and chemical,

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Corpus Christi Army Depot Texas

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

metallurgical and technical support for use in the determination of aircraft component failure modes.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	2,216
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Corpus Christi Army Depot, Texas	4.PROJECT TITLE Aircraft Maintenance Shop

5.PROGRAM ELEMENT 72007A	6.CATEGORY CODE 211	7.PROJECT NUMBER 42	8.PROJECT COST ($000) Auth 7,200 Approp 7,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,007
Aircraft Analysis Process Fac	SF	66,578	90.22	(6,007)
Supporting Facilities				534
Electric Service	LS	-	-	(86)
Water, Sewer & Gas	LS	-	-	(20)
Paving, Walks, Curbs & Gutters	LS	-	-	(22)
Storm Drainage	LS	-	-	(17)
Site Improvement (357) Demolition (15)	LS	-	-	(372)
Communication	LS	-	-	(10)
Industrial Waste	LS	-	-	(7)
Subtotal				6,541
Contingency (5.00%)				327
Total Contract Cost				6,868
Supervision, Inspection & Overhead (5.50%)				378
Total Request				7,246
Total Request (Rounded)				7,200
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an aircraft maintenance shop to include an electrical substation, air conditioning for the offices, lunchroom and restrooms located on a mezzanine and overhead materials handling equipment. Heating will be provided from a self-contained system. Demolish one (1) building (2400 SF). Air conditioning: 192 tons; Mechanical ventilation: 91,000 CFM.

11. REQUIREMENT: 91,919 SF ADEQUATE: 10,419 SF SUBSTANDARD: 21,300 SF

PROJECT: Construct an aircraft maintenance shop.

REQUIREMENT: This project is required to provide a centralized shop area for aircraft induction, pre-shop anlysis, disassembly, parts components routing and preparation for repair/processing.

CURRENT SITUATION: Disassembly is now done in two (2) hangars by the pre-shop analysis (PSA) personnel whose office is in a third hangar. Once disassembled, the aircraft components are then towed for more than one mile to the proper work centers. Approximately 40 percent of the route is outdoors and subjects the delicate components of the weather. Initial work on the airframe and tailboom must also be done outside without shelter from the weather. These conditions result in lost time, reduce productivity, and need to be centralized to provide efficient, economical maintenance operations.

1.COMPONENT ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Corpus Christi Army Depot, Texas

4.PROJECT TITLE

Aircraft Maintenance Shop

5.PROJECT NUMBER 42

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not provided, the existing crowded conditions in aircraft overhaul/repair areas will worsen, possibly forcing increased use of overtime and the use of multi-shifts to increase thru-put. The depot's ability to provide cost effective maintenance to mission essential weapon systems will continue to be impaired and the savings that would be effected by the proposed consolidation will not be realized.

ADDITIONAL: Economic Analysis indicates the cost effectiveness of this project. An Economic analysis has been prepared for this project, comparing the status quo with the proposed project. The result shows a Savings to Investment Ratio of 5.00 and an amortization period of 1.91 years.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... Mar 85
(b) Percent Complete As Of January 1986 80
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... May 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 270
(b) All Other Design Costs 143
(c) Total Cost 413
(d) Contract 368
(e) In-house 45

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		0
		TOTAL	None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Corpus Christi Army Depot, Texas	4.PROJECT TITLE Composite Panel Preparation Facility

5.PROGRAM ELEMENT 71111A	6.CATEGORY CODE 211	7.PROJECT NUMBER 69	8.PROJECT COST ($000) Auth 1,200 Approp 1,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				831
AC Panel Processing Facility	SF	4,080	163.24	(666)
Foundation	LS	-	-	(165)
Supporting Facilities				273
Electric Service	LS	-	-	(5)
Water, Sewer & Gas	LS	-	-	(4)
Site Improvement (243) Demolition (16)	LS	-	-	(259)
Communication	LS	-	-	(5)
Subtotal				1,104
Contingency (5.00%)				55
Total Contract Cost				1,159
Supervision, Inspection & Overhead (5.50%)				64
Total Request				1,223
Total Request (Rounded)				1,200
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a permanent addition to the glass and plastic shop to house equipment, supporting structures and accessories required for new process lines. The roof will be constructed of metal roof deck with insulating concrete and built-up roof. Floor will be constructed of reinforced concrete with pit area for process tanks. Supporting facilities will consist of an electrical substation and service, lighting, heating, room ventilation, condensate return, plant air and industrial waste system. A 3-inch gas line will be rerouted. Mechanical ventilation: 8,000 CFM.

11. REQUIREMENT: 4,080 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a composite panel preparation facility at Corpus Christi Army Depot.

REQUIREMENT: This project is required to support the UH-1, AH-1, OH-58, Blackhawk, Apache, and CH-47 aircraft systems. This project provides total facilities for state-of-the-art processes for surface preparation of titanium and aluminum aircraft structures and panels prior to honeycomb bonding. The processes will increase the life expectancy of bonded titanium panels from 2.5 years to 15 years, and the aluminum panels from 2.5 years to 20-25 years.

CURRENT SITUATION: The Present method of bonding preparation requires about 1.75 hours per item. The new\process will reduce the time required to

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Corpus Christi Army Depot, Texas		
4. PROJECT TITLE Composite Panel Preparation Facility		5. PROJECT NUMBER 69

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
approximately 0.3 hours per item. The area now designated for this work is in diverted space in the plastic shop which is currently overcrowded.
IMPACT IF NOT PROVIDED: If this project is not provided, the present costly, time consuming, and deficient bonding process will continue, providing less than the required support necessary to accomplish the workload on various bonded honeycomb components within a reasonable time frame.
ADDITIONAL: Approval of this project will result in an estimated $1,873,722 annual savings. The payback period for this project is seven (7) months and the SIR is 17.44.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 41
(b) All Other Design Costs 28
(c) Total Cost 69
(d) Contract 54
(e) In-house 15

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		
		TOTAL	None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Corpus Christi Army Depot, Texas	4.PROJECT TITLE Aircraft Maintenance Shop Addition

5.PROGRAM ELEMENT 72896A	6.CATEGORY CODE 211	7.PROJECT NUMBER 70	8.PROJECT COST ($000) Auth 2,150 Approp 2,150

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,816
Aircraft Maint Shop Addition	SF	14,600	114.97	(1,679)
Foundation	LS	-	-	(137)
Supporting Facilities				145
Electric Service	LS	-	-	(56)
Water, Sewer & Gas	LS	-	-	(7)
Paving, Walks, Curbs & Gutters	LS	-	-	(7)
Storm Drainage	LS	-	-	(12)
Site Improvement	LS	-	-	(48)
Communication	LS	-	-	(14)
Industrial Waste	LS	-	-	(1)
Subtotal				1,961
Contingency (5.00%)				98
Total Contract Cost				2,059
Supervision, Inspection & Overhead (5.50%)				113
Total Request				2,172
Total Request (Rounded)				2,150
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an addition to the glass and plastic shop to house a honeycomb repair facility. The facility will provide for an expanded production shop, shop storage and office space. New production equipment to be installed will include two autoclaves, a CNC honeycomb cutting machine, non-destructive test equipment, a specialized ventilation system and cleaning booths. Support facilities include utilities, air conditioning, lighting and an electrical unit substation. Air conditioning: 42 tons.

11. REQUIREMENT: 25,019 SF ADEQUATE: 10,419 SF SUBSTANDARD: 14,600 SF

PROJECT: Construct a honeycomb repair facility addition.

REQUIREMENT: This project is required to relieve the existing overcrowded conditions within the glass and plastic shop, relocate and reorganize the physical layout of the existing shops for improved product flow and control, amd provide space for new equipment needed for handling advanced composites.

CURRENT SITUATION: The Glass and Plastic Shop is presently overcrowded and working at maximum capacity. The workload has been compounded with the receipt of work for the CH-47 and will increase beginning in FY 87 with the arrival of work for the AH-64. The required workload that cannot be handled by the Glass and Plastic Shop is addressed in Hangar 45, which has been diverted for use as additional maintenance space. Separation of the panel

1.COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	**2.DATE** 14 FEB 86
3.INSTALLATION AND LOCATION Corpus Christi Army Depot, Texas		
4.PROJECT TITLE Aircraft Maintenance Shop Addition		**5.PROJECT NUMBER** 70

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
repair areas is very inefficient and the present repair workload requirement cannot be met. To meet production requirements, new panels are purchased in place of repairing other panels. The cost of this is in excess of $1,000,000 per year, which could be saved by building the new facility.
IMPACT IF NOT PROVIDED: If this project is not provided, these facilities will continue to severely limit the repair work that can be done. The current space is already insufficient and this will be compounded with the acquisition of new repair equipment needed by the more advanced composites now being used in aircraft structures.
ADDITIONAL: An economic analysis has been prepared for this project, comparing the status quo with the proposed project. The result is an annual savings of $2,938,066 and a payback of 1.83 years.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 71
(b) All Other Design Costs 38
(c) Total Cost 109
(d) Contract 88
(e) In-house 21

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Detroit Arsenal Michigan	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.14

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	238	209	6121	0	0	0	0	0	0	6,568
B. END FY 91	267	171	6176	0	0	0	0	0	0	6,614

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	348 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85		52,480
C. AUTHORIZATION NOT YET IN INVENTORY		0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM		1,350
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		3,349
F. PLANNED IN NEXT THREE YEARS		45,747
G. REMAINING DEFICIENCY		0
H. GRAND TOTAL		102,926

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	53	CHILD CARE CENTER	1,350	05/85	07/86
		SUBTOTAL PROJECTS OVER $1M	1,350		
		TOTAL	1,350		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
914	REAL PROPERTY ACQ	3,349
	SUBTOTAL PROJECTS OVER $1M	3,349
	TOTAL	3,349
B. PLANNED NEXT THREE PROGRAM YEARS		
610	ADP/COMPUTER CENTER	25,000
872	SECURE ASSEMBLY BLDG	12,051
610	ADMIN/MAINT FAC	3,638
171	APPLIED INSTRUCT BLDG	2,907
	SUBTOTAL PROJECTS OVER $1M	43,596
	TOTAL	43,596

10. MISSION OR MAJOR FUNCTIONS:

Provides support and facilities for the worldwide sales and management activities of the USA Tank Automotive Command and its associated research and development activities for tracked and wheeled vehicles. Develop, procure, distribute and support combat, tactical, special purpose, and construction vehicles, including related support items for Department of Defense users and friendly foreign governments. The arsenal also supports satellite activities at the Selfridge

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Detroit Arsenal Michigan

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

ANGB Housing Area and Pontiac Storage Facility

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11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Detroit Arsenal, Michigan	4.PROJECT TITLE Child Development Center

5.PROGRAM ELEMENT 72896A	6.CATEGORY CODE 740	7.PROJECT NUMBER 53	8.PROJECT COST ($000) Auth 1,350 Approp 1,350

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,051
Child Development Center	SF	11,334	89.82	(1,018)
Playground	LS	-	-	(32)
Outdoor Storage (220 SF)	LS	-	-	(1)
Supporting Facilities				188
Electric Service	LS	-	-	(45)
Water, Sewer & Gas	LS	-	-	(26)
Paving, Walks, Curbs & Gutters	LS	-	-	(70)
Site Improvement	LS	-	-	(46)
Communication	LS	-	-	(1)
Subtotal				1,239
Contingency (5.00%)				62
Total Contract Cost				1,301
Supervision, Inspection & Overhead (5.50%)				72
Total Request				1,373
Total Request (Rounded)				1,350
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a standard-design child development center for 145 children, playground, and playground storage buildings. Work will include all required utilities, communications, sprinkler system, fire detection/alarm system, first floor egress from all rooms directly to outside, parking, covered child pick-up area, and site improvements. Heating and air conditioning by self-contained sytems. Accessibility for the handicapped will be provided. Air conditioning: 45 tons.

11. REQUIREMENT: 11,340 SF ADEQUATE: None SUBSTANDARD: 8,854 SF

PROJECT: Construct a child development center for 145 children.

REQUIREMENT: This project is required to provide a healthy, safe child developmental environment for children whose parents are employed or unable to care for their children during intermittent absences.

CURRENT SITUATION: Existing child care facilities are undersized and substandard in fire/safety protection for infants and toddlers. It would not be cost effective to renovate the two buildings now being used to meet standards, and maintenance is extremely costly. Both buildings now being used are being kept open on waivers pending new construction.

IMPACT IF NOT PROVIDED: If this project is not provided, children will continue to be subjected to health and safety hazards. The lack of proper

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Detroit Arsenal, Michigan		
4.PROJECT TITLE Child Development Center		5.PROJECT NUMBER 53

child care will adversely affect mission readiness, retention and soldier morale.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used Original

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 60
(b) All Other Design Costs 80
(c) Total Cost 140
(d) Contract 100
(e) In-house 40

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Harry Diamond Laboratories Maryland	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	37	0	1406	0	0	0	0	0	0	1,443
B. END FY 91	37	0	1406	0	0	0	0	0	0	1,443

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	137 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	460
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	7,500
F. PLANNED IN NEXT THREE YEARS	2,059
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	10,019

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317	26	HPM FAC ADD TO HIFX FAC	460	10/85	06/86
		SUBTOTAL PROJECTS $1M & LESS	460		
		TOTAL	460		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
610	ERADCOM/HDL COMPUTER CTR	7,500
	SUBTOTAL PROJECTS OVER $1M	7,500
	TOTAL	7,500
B. PLANNED NEXT THREE PROGRAM YEARS:		
610	ADMIN ADDITION	2,059
	SUBTOTAL PROJECTS OVER $1M	2,059
	TOTAL	2,059

10. MISSION OR MAJOR FUNCTIONS:

Leads the Army's research and technology efforts in nuclear survivability, radar, signal and information processing, electronic surveillance systems, fuzing, high power microwave, and acoustic technology. This installation is the Army's center for the study of nuclear radiation effects, operating the world's largest gamma radiation simulator aurora under the sponsorship of the

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Harry Diamond Laboratories Maryland

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	6
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Dugway Proving Ground Utah	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.03

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	44	109	826	0	0	0	8	44	126	1,157
B. END FY 91	53	247	902	0	0	0	10	54	25	1,291

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 802,731 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	56,737
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	16,967
F. PLANNED IN NEXT THREE YEARS	29,022
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	115,626

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
316	230	MATERIAL TEST FACILITY	9,700	07/84	05/86
740	237	CHILD CARE/COMM. CTR.	3,200	07/85	11/86
		SUBTOTAL PROJECTS OVER $1M	12,900		
		TOTAL	12,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
724	BOQ MOD	3,307
219	BATTERY SHOP	1,047
310	COMBINED CHEM LAB FAC	8,954
845	IRRIGATION SYSTEM	1,542
	SUBTOTAL PROJECTS OVER $1M	14,850
832	SEWAGE PUMPING STATION	654
740	ENCLOSE SWIMMING POOL	571
316	GRID SERVICE BLDG	892
	SUBTOTAL PROJECTS $1M & LESS	2,117
	TOTAL	16,967

10. MISSION OR MAJOR FUNCTIONS:

a. Test and Evaluation:

1. Plan, conduct, evaluate and report the results of developmental type tests following integrated testing cycle policies, to assess the military value of chemical warfare and biological defense systems (CW/BD), and

flame incendiary and smoke obscurant systems.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Dugway Proving Ground Utah

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

2. Provide advice, guidance and support to material developers, material producers, other armed forces components, and to private industry

3. Conduct additional testing and evaluation as directed by the Commanding General, TECOM.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	13,570

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Dugway Proving Ground, Utah	4. PROJECT TITLE Materiel Test Facility

5. PROGRAM ELEMENT 65001A	6. CATEGORY CODE 316	7. PROJECT NUMBER 230	8. PROJECT COST ($000) Auth 9,700 Approp 9,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,432
Test Support Building	SF	24,879	258.54	(6,432)
Chiller Building	SF	1,200	774.94	(930)
Gatehouse	SF	675	93.99	(63)
Ambulance Shed	SF	400	17.08	(7)
Supporting Facilities				1,305
Electric Service	LS	-	-	(294)
Water, Sewer & Gas	LS	-	-	(127)
Paving, Walks, Curbs & Gutters	LS	-	-	(155)
Site Improvement	LS	-	-	(696)
Communication	LS	-	-	(33)
Subtotal				8,737
Contingency (5.00%)				437
Total Contract Cost				9,174
Supervision, Inspection & Overhead (5.50%)				505
Total Request				9,679
Total Request (Rounded)				9,700
Installed Equipment - Other Appropriations				(2,000)

10. Description of Proposed Construction Construct a materiel test building with three (3) specially designed containment chambers. Work to include utilities, paving, storm drainage, security fencing, lighting, fire protection, security system, seismic design, gatehouse, communications and site improvements. High efficiency air scrubbing techniques will be used to reduce toxic concentrations in the chambers and high efficiency filtering techniques will be used to reduce toxic concentrations in the exhausted air. Two of the chambers will provide temperature control to simulate arctic or tropic climatic conditions. Air conditioning to be provided for observation and control rooms; evaporative cooling for various support areas. A separate ventilation system will maintain test chamber negative pressure. Air conditioning: 40 tons. Evaporative cooling: 52,000 CFM.

11. REQUIREMENT: 24,879 SF ADEQUATE: None SUBSTANDARD: 6,440 SF

PROJECT: Construct a permanent materiel test facility.

REQUIREMENT: This project is required to provide adequate facilities for the safe transfer of chemical agents and the testing and evaluation of current and proposed military items against chemical agents and simulants.

CURRENT SITUATION: Two buildings are used for equipment and chemical agent testing, but do not meet current worker or environmental protection standards

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Dugway Proving Ground, Utah		
4. PROJECT TITLE Materiel Test Facility		5. PROJECT NUMBER 230

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
nor permit testing on full-sized equipment. The buildings were built in the mid-1960s and now are operationally inadequate. Utilities are completely insufficient to support real-time atmospheric monitoring equipment and routine extensive decontamination of equipment and staff. A trailer to house additional test equipment is connected to Building 3008, the agent transfer and test building, by running sampling lines and instrumentation cables through the walls and across the floor as necessary. This results in the test Officer and personnel monitoring the test being unable to observe the test chamber. The use of Building 3008 also severely restricts the use of nearby conventional munitions storage facilities. The second building, the Defensive Test Chamber (DTC), is located seven miles from other operational areas. It is grossly underpowered and requires separate generators for supplemental and standby power. Water has to be hauled to the facility and the distance increases the reaction time of the emergency response team. The air filtration system, changehouse facilities and negative pressure ventilization systems do not operate at the levels required by current standards. No other facilities exist to satisfy these mission requirements.
IMPACT IF NOT PROVIDED: If this project is not provided, scientific and technical personnel will continue to utilize substandard, unsafe facilities separated by as much as ten miles. This decentralization of command, control and personnel will continue to waste precious managerial and technical resources and adversely affect Dugway Proving Ground's ability to meet it's mission requirements.
ADDITIONAL: An Economic Analysis comparing this project with the alternative of renovation indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... NOV 84
(b) Percent Complete As Of January 1986 90
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAR 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 435
(b) All Other Design Costs 141

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Dugway Proving Ground, Utah		
4.PROJECT TITLE Materiel Test Facility		5.PROJECT NUMBER 230

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued) ($000)

(c) Total Cost 576

(d) Contract 507

(e) In-house 69

(4) Construction Start .... APR 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Test Controller Sys	RDTE	87	253
Data Control Sys	RDTE	87	1007
Timing Control Sys	RDTE	87	205
TV Surveil Sys	RDTE	87	535
		TOTAL	2,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Dugway Proving Ground, Utah	4. PROJECT TITLE Community Center

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 740	7. PROJECT NUMBER 237	8. PROJECT COST ($000) Auth 3,200 Approp 3,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,560
Community/Child Development Fac	SF	31,500	79.52	(2,505)
Playground	LS	-	-	(50)
Storage Shed	SF	297	17.00	(5)
Supporting Facilities				350
Electric Service	LS	-	-	(95)
Water, Sewer & Gas	LS	-	-	(21)
Paving, Walks, Curbs & Gutters	LS	-	-	(71)
Site Improvement	LS	-	-	(111)
Communication	LS	-	-	(30)
Fuel System	LS	-	-	(22)
Subtotal				2,910
Contingency (5.00%)				146
Total Contract Cost				3,056
Supervision, Inspection & Overhead (5.50%)				168
Total Request				3,224
Total Request (Rounded)				3,200
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a standard design child development center with a 145 child capacity, and a community multi-purpose facility to include Army Community Services, main library, education and general purpose auditorium. Heating and air conditioning by self-contained system. Supporting facilities will include utilities, fire alarm/sprinkler system, and parking. Accessibility for handicapped will be provided. Air conditioning: 104 tons.

11. REQUIREMENT: 31,797 SF ADEQUATE: None SUBSTANDARD: 21,161 SF

PROJECT: Construct a child development and community center.

REQUIREMENT: This project is required to provide suitable facilities for support of essential community services at this remote installation, 40 miles from the nearest town, (Tooele, which offers few community activities for its own population). Salt Lake City, 85 miles distant, is the nearest city that provides comparable support for a military community the size of Dugway Proving Ground. Six functions will be consolidated in a central area, freeing diverted space which is needed for original functions such as barracks.

CURRENT SITUATION: The facilities currently in use are inadequate for community services, too small and widely dispersed. Only 78 children can be accommodated in the existing facilities.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Dugway Proving Ground, Utah		
4.PROJECT TITLE Community Center		5.PROJECT NUMBER 237

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: If this project is not provided, many community services will continue to be marginally effective. Duty at this installation is extremely confining for soldiers, the civilian workforce, and families who live on post. The inadequate facilities severely limit activities that foster pride of community and which offset perceptions of isolation and boredom.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 200
(b) All Other Design Costs 77
(c) Total Cost 277
(d) Contract 15
(e) In-house 262

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant Nevada	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.26

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1	1	812	0	0	0	0	0	0	814
B. END FY 91	1	1	812	0	0	0	0	0	0	814

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 144,583 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	82,214
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	6,446
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	95,660

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
216	11	AMMUNITION SURVEILLANCE	7,000	07/83	03/85
		SUBTOTAL PROJECTS OVER $1M	7,000		
		TOTAL	7,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS :		
219	AMMO MAINTENANCE FAC	6,446
	SUBTOTAL PROJECTS OVER $1M	6,446
	TOTAL	6,446

10. MISSION OR MAJOR FUNCTIONS:

To receive, issue, store, renovate, inspect, test, demilitarize and dispose of Single Manager and non Single Manager conventional ammunition.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	1,300
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant, Nevada	4.PROJECT TITLE Ammunition Surveillance Facility

5.PROGRAM ELEMENT 72003A	6.CATEGORY CODE 216	7.PROJECT NUMBER 11	8.PROJECT COST ($000) Auth 7,000 Approp 7,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,335
Ammo Surveillance Facility	SF	34,362	126.15	(4,335)
Supporting Facilities				2,028
Electric Service	LS	-	-	(202)
Water, Sewer & Gas	LS	-	-	(949)
Paving, Walks, Curbs & Gutters	LS	-	-	(343)
Site Improvement	LS	-	-	(71)
Communication	LS	-	-	(207)
RR Spur(175) Fence(87)	LS	-	-	(256)
Subtotal				6,363
Contingency (5.00%)				318
Total Contract Cost				6,681
Supervision, Inspection & Overhead (5.50%)				367
Total Request				7,048
Total Request (Rounded)				7,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of an ammunition surveillance workshop to include all required utilities systems, paving, railroad spur, fencing, fire and lighting protection systems, communications, and site improvements. Heating and air conditioning to be provided by new self-contained units. Air conditioning: 64 tons.

11. REQUIREMENT: 34,362 SF ADEQUATE: None SUBSTANDARD: 24,229 SF

PROJECT: Construct a permanent ammunition surveillance workshop.

REQUIREMENT: This project is required to provide a safe and adequate ammunition surveillance facility for periodic receipt, inspection and functional testing of conventional ammunition to determine serviceability for continued storage or issue.

CURRENT SITUATION: There is no permanent building suitable for surveillance of ammunition. The interim facility, built in 1944, is inadequate in size to accommodate newer, larger and more sophisticated ammunition peculiar equipment, cell arrangement, and provides no area for overnight storage of ammunition being processed. The proximity of a lunchroom to this interim facility restricts the charge in this building to 2,000 pounds, which is unsatisfactory for a permanent surveillance workshop.

IMPACT IF NOT PROVIDED: Continued use of the interim facility will result

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant, Nevada		
4.PROJECT TITLE Ammunition Surveillance Facility		5.PROJECT NUMBER 11

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
in less than peak performance and efficiency, since the inadequate facilities will not allow optimum use of recent advances in the technology of munition and diagnostic test equipment. Lack of this facility will severely restrict the mission of Hawthorne Army Ammunition Plant and adversely affect the Army readiness posture.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....NOV 83
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAR 85

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 197
(b) All Other Design Costs 95
(c) Total Cost 292
(d) Contract 209
(e) In-house 83

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Letterkenny Army Depot Pennsylvania	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.07

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	26	35	4192	0	0	0	29	31	1308	5,621
B. END FY 91	36	52	4610	0	0	0	31	36	1750	6,515

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	19,511 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	93,760
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,600
F. PLANNED IN NEXT THREE YEARS	5,774
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	104,034

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872	130	SECURITY LIGHTING AMMO	1,900	06/85	03/86
		SUBTOTAL PROJECTS OVER $1M	1,900		
		TOTAL	1,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
141	AMMO TRUCK BLOCKING FAC	2,600
	SUBTOTAL PROJECTS OVER $1M	2,600
	TOTAL	2,600
B. PLANNED NEXT THREE PROGRAM YEARS:		
442	HAZARD MATERIAL WAREHOUSE	3,545
810	OSHA COMPLIANCE	2,229
	SUBTOTAL PROJECTS OVER $1M	5,774
	TOTAL	5,774

10. MISSION OR MAJOR FUNCTIONS:

The mission of Letterkenny Army Depot is to operate a supply depot providing for the receipt, storage, issue, maintenance, and disposal of assigned commodities; provide installation support to attached organizations, and to operate such other facilities as may be assigned.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Letterkenny Army Depot Pennsylvania

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
B. WATER POLLUTION	6,700
C. OCCUPATIONAL SAFETY AND HEALTH	2,229

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Letterkenny Army Depot, Pennsylvania	4.PROJECT TITLE Security Upgrade

5.PROGRAM ELEMENT 72896A	6.CATEGORY CODE 880	7.PROJECT NUMBER 130	8.PROJECT COST ($000) Auth 1,900 Approp 1,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				933
IDS Installation	LS	-	-	(463)
Security Lighting & Utility Connections	LS	-	-	(470)
Supporting Facilities				785
Site Improvement	LS	-	-	(785)
Subtotal				1,718
Contingency (5.00%)				86
Total Contract Cost				1,804
Supervision, Inspection & Overhead (5.50%)				99
Total Request				1,903
Total Request (Rounded)				1,900
Installed Equipment - Other Appropriations				(315)

10.Description of Proposed Construction Install exterior security lighting and an intrusion detection system (IDS) on 122 ammunition igloos, and three (3) operating buildings. Trenching and installation of underground cabling will be required.

11. REQUIREMENT: 122 EA ADEQUATE: None SUBSTANDARD: 122 EA

PROJECT: Install security lighting and an intrusion detection system (IDS).

REQUIREMENT: This project will provide devices which will minimize the threat of unauthorized entry to restricted areas and the theft of Class I and Class II ammunition and explosives.

CURRENT SITUATION: The ammunition storage igloos in K Area and operating structures at Letterkenny Army Depot are not presently equipped with any means of intruder detection or illumination aids. In order to comply with the intent of regulations requiring continuous surveillance of ammunition storage areas and structures, the depot security division patrols the area, checking both perimeter fences and structures for signs of unauthorized entry. These patrols are conducted during nonoperating hours (4:00 p.m. to 6:00 a.m.) in all types of weather by five (5) security personnel using pick-up trucks and sedans.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Letterkenny Army Depot, Pennsylvania

4.PROJECT TITLE Security Upgrade	5.PROJECT NUMBER 130

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not provided, inefficient security measures will continue, adversely affecting installation security.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....MAR 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Army Wide Upgrade

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 70.994

(b) All Other Design Costs 20.906

(c) Total Cost 91.900

(d) Contract 74.994

(e) In-house 16.906

(4) Construction Start .... JAN 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrus Detect Sys	OPA	86	315
		TOTAL	315

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Lexington Blue Grass Depot Activity Kentucky	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.06

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	7	31	1138	0	0	0	14	82	648	1,920
B. END FY 91	8	31	1097	0	0	0	14	82	700	1,932

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	780 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	21,146
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	540
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,719
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	41,405

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
872	82	AMMO STORAGE SECURITY	540	04/85	02/86
		SUBTOTAL PROJECTS $1M & LESS	540		
		TOTAL	540		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
216	AMMO DEMILITARIZATION FAC	17,157
872	CHEMICAL SECURITY IDS	1,935
	SUBTOTAL PROJECTS OVER $1M	19,092
821	HVAC SYSTEMS MOD ECIP	264
811	MODIFY BOILER PLANT	363
	SUBTOTAL PROJECTS $1M & LESS	627
	TOTAL	19,719

B. PLANNED NEXT THREE PROGRAM YEARS: NONE

10. MISSION OR MAJOR FUNCTIONS:

To operate a multi purpose depot activity providing for the receipt, storage, issue and maintenance (COMSEC) of assigned commodities; provide installation support to attached organizations; and operate such other facilities as may be assigned.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Lexington Blue Grass Depot ActivityKentucky

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Monmouth New Jersey	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.09

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	575	1411	8626	38	416	0	5	160	0	11,231
B. END FY 91	724	1539	8389	111	424	0	5	16	0	11,208

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	637 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	50,713
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	4,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	18,035
F. PLANNED IN NEXT THREE YEARS	188,769
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	262,417

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
721	124	BARRACKS MOD	4,900	07/85	09/86
		SUBTOTAL PROJECTS OVER $1M	4,900		
		TOTAL	4,900		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
813	IMP ELEC SUBSTATIONS	6,512
740	PHYSICAL FITNESS CENTER	5,423
317	SATCOM TEST/TRNG LAB	6,100
	SUBTOTAL PROJECTS OVER $1M	18,035
	TOTAL	18,035
B. PLANNED NEXT THREE PROGRAM YEARS		
310	CONSOLIDATE R&D READINESS	89,259
310	C4 R&D FACILITY I	61,037
	SUBTOTAL PROJECTS OVER $1M	150,296
	TOTAL	150,296

10. MISSION OR MAJOR FUNCTIONS

Provides support and facilities for US Army Communications Electronics Commandand it's tenants

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Monmouth New Jersey

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	1,742

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Monmouth, New Jersey	4.PROJECT TITLE Unaccompanied Personnel Housing

5.PROGRAM ELEMENT 72896A	6.CATEGORY CODE 721	7.PROJECT NUMBER 124	8.PROJECT COST ($000) Auth 4,900 Approp 4,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,157
Barracks	SF	11,528	57.07	(658)
Unaccompanied Officers Housing	SF	33,747	49.25	(1,662)
Fire Stair Towers	SF	33,747	54.43	(1,837)
Supporting Facilities				86
Paving, Walks, Curbs & Gutters	LS	-	-	(2)
Communication	LS	-	-	(84)
Subtotal				4,243
Contingency (10.00%)				424
Total Contract Cost				4,667
Supervision, Inspection & Overhead (5.50%)				257
Total Request				4,924
Total Request (Rounded)				4,900
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Modernize an existing barracks, constructed in the early 1950s, to provide an unaccompanied officers housing and a barracks, in separate wings. Install fire escapes and provide central air conditioning. Support facilities include upgrading utilities, paving, communications, and site improvements. Heating is from an existing central oil-fired system. Air conditioning: 170 tons.

11. REQUIREMENT: 223 PN ADEQUATE: None SUBSTANDARD: 500 PN

PROJECT: Modernize a barracks to provide an unaccompanied officers housing and a barracks.

REQUIREMENT: This project is required to provide a modern living environment for assigned enlisted personnel, student enlisted personnel, and student officers of the U.S. Army Chaplain Center and School at a location proximate to the administration and training buildings. This project is required to provide adequate housing for 164 E1-E9 and 59 officers (maximum utilization).

CURRENT SITUATION: At the present time, the Chaplain Center and School enlisted personnel are housed in Barracks 1204, an unimproved building constructed in the early 1950s. Temporary Duty (TDY) officer students must reside in the post transient billets and bachelor officer quarters, placing a

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Monmouth, New Jersey		
4.PROJECT TITLE Unaccompanied Personnel Housing		5.PROJECT NUMBER 124

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
strain upon post facilities. During peak training loads the school must arrange to house some of its students in off-post available space.
IMPACT IF NOT PROVIDED: If this project is not provided, the school operation will continue to be adversely affected by the difficulty of control and organization which in turn is detrimental to the curriculum and to the morale of the permanent party and students.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 45
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 232
(b) All Other Design Costs 72
(c) Total Cost 304
(d) Contract 232
(e) In-house 72

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Navajo Army Depot Arizona	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.02

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	11	61	44	0	0	0	3	25	1	145
B. END FY 91	11	61	44	0	0	0	3	25	1	145

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	28,205 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85		26,516
C. AUTHORIZATION NOT YET IN INVENTORY		0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
F. PLANNED IN NEXT THREE YEARS		0
G. REMAINING DEFICIENCY		0
H. GRAND TOTAL		30,416

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872	39	SECURITY FENCE ARMS&AMMO	3,900	02/85	07/86
		SUBTOTAL PROJECTS OVER $1M	3,900		
		TOTAL	3,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

To operate a reserve ammunition storage depot and maintain limited shipping and receiving capability. Also to provide training facilities for the Arizona National Guard.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Navajo Army Depot, Arizona	4. PROJECT TITLE Security Upgrade

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 880	7. PROJECT NUMBER 39	8. PROJECT COST ($000) Auth 3,900 Approp 3,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,446
Security Upgrade	LS	-	-	(1,425)
IDS (Installation Cost Only)	LS	-	-	(21)
Supporting Facilities				2,062
Paving, Walks, Curbs & Gutters	LS	-	-	(594)
Storm Drainage	LS	-	-	(785)
Site Improvement	LS	-	-	(683)
Subtotal				3,508
Contingency (5.00%)				175
Total Contract Cost				3,683
Supervision, Inspection & Overhead (5.50%)				203
Total Request				3,886
Total Request (Rounded)				3,900
Installed Equipment - Other Appropriations				(345)

10. Description of Proposed Construction Upgrade security protection for 99 igloos required for Category II munitions storage by providing exterior security lighting, security fencing, and an intrusion detection system (IDS).

11. REQUIREMENT: 487,977 LF ADEQUATE: 347,201 LF SUBSTANDARD: None

PROJECT: Upgrade security protection for sensitive munitions storage.

REQUIREMENT: This project is required to prevent the unauthorized entry of individuals into sensitive storage areas for the purpose of theft, sabotage, or other similar criminal acts.

CURRENT SITUATION: Currently, Category II sensitive items are stored in igloos scattered throughou the installation. They are protected by only a mild steel locking bar and two barbed wire fences. Neither intrusion detection systems nor security lighting are available to aid in protection.

IMPACT IF NOT PROVIDED: If this project is not provided, the constant threat of unauthorized entry will continue, and the depot will continue to operate under security waivers. Security costs for manpower and equipment to maintain security will continue to increase.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Navajo Army Depot, Arizona		
4. PROJECT TITLE Security Upgrade		5. PROJECT NUMBER 39

12. SUPPLEMENTAL DATA: (Continued)
A. Estimated Design Data: (Continued)
(1) Status:
(a) Date Design Started .... MAR 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 190
(b) All Other Design Costs 46
(c) Total Cost 236
(d) Contract 6
(e) In-house 230

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrus Detect Equip	OPA	86	345
		TOTAL	345

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION New Cumberland Army Depot Pennsylvania	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .95

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	81	396	3948	0	0	0	0	0	4	4,429
B. END FY 91	0	381	3913	0	0	0	0	0	4	4,298

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	832 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85		40,331
C. AUTHORIZATION NOT YET IN INVENTORY		0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM		51,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
F. PLANNED IN NEXT THREE YEARS		5,474
G. REMAINING DEFICIENCY		0
H. GRAND TOTAL		96,805

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
441	84	EASTERN DIST CTR PH II	51,000	03/84	01/86
		SUBTOTAL PROJECTS OVER $1M	51,000		
		TOTAL	51,000		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88): NONE		
B. PLANNED NEXT THREE PROGRAM YEARS		
441	HAZARDOUS MAT STORAGE BLDG	3,614
441	HAZARDOUS MAT STORAGE BLDG	1,860
	SUBTOTAL PROJECTS OVER $1M	5,474
	TOTAL	5,474

10. MISSION OR MAJOR FUNCTIONS

Primary mission is to serve as the U.S. AMC Eastern Distribution Center for receipt, storage, and issue of all serviceable

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
New Cumberland Army Depot, Pennsylvania	Eastern Distribution Center-Phase II

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
72896A	441	84	Auth 51,000 Approp 51,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				46,252
Distribution Center	LS	-	-	(46,252)
Supporting Facilities				0
Subtotal				46,252
Contingency (5.00%)				2,313
Total Contract Cost				48,565
Supervision, Inspection & Overhead (5.50%)				2,671
Total Request				51,236
Total Request (Rounded)				51,000
Installed Equipment - Other Appropriations				(83,200)

10. Description of Proposed Construction Construct the Eastern Distribution Center, consisting of a receiving terminal with mechanized storage and retrieval systems, small item preservation and packaging areas, package sorting systems, freight consolidation, shipping terminal, operational and employee support areas. Work to include all required utility services, storm drainage, paving, fire protection/sprinklers, alarm/detection system, railroad extensions, communications and site improvements. Construction of a Transport Control Facility to include weigh-in, inspection, in-check and dispatch. Heating to be provided by coal-fired plant. Air conditioning by self-contained system for administration areas only. Site preparation, land acquisition and roadway construction (PhaseI) were appropriated in FY 85. Air Conditioning: 1300 tons.

11. REQUIREMENT: 1,804,644 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a modern distribution center. Appropriate funds for Phase II of a permanent modern distribution center.

REQUIREMENT: This project is required to meet current, projected future, surge and mobilization workloads for Class IX repair parts.

CURRENT SITUATION: New Cumberland Army Depot (NCAD) is the Department of the Army Area Oriented Depot for supplying Class IX spare parts to the U.S.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

New Cumberland Army Depot, Pennsylvania

4.PROJECT TITLE Eastern Distribution Center-Phase II	5.PROJECT NUMBER 84

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Army Europe (USAREUR) and DOD installations in 22 states, the Military District of Washington, Panama, Puerto Rico, and foreign military sales to the Middle East under the DA Direct Support System. NCAD is also designated as the Consolidation and Containerization Point (CCP) for Europe and as such, has experienced a phenomenal growth in workload. The workload is expected to continue increasing with force modernization and the deployment of new weapons systems. NCAD is currently operating two (2) shifts per day, five (5) days per week, and in critical areas three (3) shifts, with one (1) shift on weekends to process high priorities. Expansion capability in present facilities is extremely limited. The General Supply and CCP functions are presently located in 32 warehouses and sheds built between 1918 and 1953. These facilities are currently used beyond their designed storage capacity. All buildings have a low roof line which restricts storage to a maximum of 12 feet in height, and have very narrow column spacing which is not conducive to storage of bulk material. Lack of consolidation of functions has resulted in sub-optimum use of manpower, equipment and facilities.
IMPACT IF NOT PROVIDED: If this project is not provided, continued use of existing labor intensive, geographically dispersed, and limited space facilities will result in a sustained need for multiple shifts, increased overtime and excessive costs to meet workload requirements. Lack of this proposed facility will adversely affect NCAD's ability to fulfill future mission workload requirements in support of the Army's Force Modernization Program for new and improved weapons systems and ultimately degrade the Army's readiness posture.
ADDITIONAL: An economic analysis of this project indicates a payback in 7.22 years and a Savings to Investment Ratio of 1.20. Each of these figures is based on a discounted dollar calculation in accordance with OMB guidance.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....OCT 83
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 3,800
(b) All Other Design Costs 1,499

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION New Cumberland Army Depot, Pennsylvania		
4.PROJECT TITLE Eastern Distribution Center-Phase II		5.PROJECT NUMBER 84

12. SUPPLEMENTAL DATA: (Continued)
A. Estimated Design Data: (Continued)
(3) Total Cost: (Continued) ($000)
(c) Total Cost 5,299
(d) Contract 4,278
(e) In-house 1,021

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Equipment	OPA	86	83200
		TOTAL	83,200

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Pueblo Depot Activity Colorado	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .96

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	4	737	0	0	0	25	183	21	972
B. END FY 91	3	2	729	0	0	0	25	179	21	959

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	22,657 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	43,506
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	600
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,650
F. PLANNED IN NEXT THREE YEARS	3,540
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	51,296

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812	59	SEC UPGRD CONV MUN STGE	600	06/85	02/86
		SUBTOTAL PROJECTS $1M & LESS	600		
		TOTAL	600		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
880	INTRUSION ALARM SYS	3,650
	SUBTOTAL PROJECTS OVER $1M	3,650
	TOTAL	3,650
B. PLANNED NEXT THREE PROGRAM YEARS		
422	AMMO HANDLING FAC	1,794
740	MULTI RECREATION FAC	1,746
	SUBTOTAL PROJECTS OVER $1M	3,540
	TOTAL	3,540

10. MISSION OR MAJOR FUNCTIONS:

To operate a supply and maintenance depot providing maintenance and storage of assigned comodity groups. Comodity groups include ammunition, chemical munitions, Pershing missles and support items, bridge systems and water purification systems.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Pueblo Depot Activity Colorado

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Red River Army Depot Texas	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .78

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	28	38	5850	0	0	0	0	0	549	6,465
B. END FY 91	30	45	5000	0	0	0	0	0	550	5,625

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	19,084 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	84,075
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,350
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	97,338
F. PLANNED IN NEXT THREE YEARS	111,111
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	293,874

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
880	127	AMMO SECURITY UPGRADE	1,350	09/85	05/86
		SUBTOTAL PROJECTS OVER $1M	1,350		
		TOTAL	1,350		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
441	AOD DIST CENTER ALT	85,000
441	CENTRAL DIST CENTER	6,132
314	TRACKED VEHICLE TEST FACILITY	4,391
	SUBTOTAL PROJECTS OVER $1M	95,523
800	BUILDING INSULATION ECIP	512
800	EMCS EXPANSION (47 BLDGS)	561
218	HYDROLIC SHOP ALTERATION	742
	SUBTOTAL PROJECTS $1M & LESS	1,815
	TOTAL	97,338

10. MISSION OR MAJOR FUNCTIONS:

Provides support and facilities for US Army Depot Systems Command to include missions of supply, ammunition, maintenance, and quality. Major function includes support of a number of tenant activities: US Army Health Clinic, Intern Training Center, Defense Property Disposal Office, and USAMICON Chaparral Project Office.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Red River Army Depot Texas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Red River Army Depot, Texas	4. PROJECT TITLE Security Upgrade

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 880	7. PROJECT NUMBER 127	8. PROJECT COST ($000) Auth 1,350 Approp 1,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,067
Security Upgrade	LS	-	-	(1,040)
IDS (Installation Cost Only)	LS	-	-	(27)
Supporting Facilities				164
Site Improvement	LS		-	(125)
Communication	LS		-	(39)
Subtotal				1,231
Contingency (5.00%)				62
Total Contract Cost				1,293
Supervision, Inspection & Overhead (5.50%)				71
Total Request				1,364
Total Request (Rounded)				1,350
Installed Equipment - Other Appropriations				(450)

10. Description of Proposed Construction Provide improved security for 141 ammunition igloos by installing intrusion detection sensors and a commercial intrusion detection system. Provide 110-volt electric power with igloo and perimeter lights and secure 110-volt electric outlets.

11. REQUIREMENT: 141 EA ADEQUATE: None SUBSTANDARD: 141 EA

PROJECT: Install security measures.

REQUIREMENT: This project is required to meet minimal security standards and criteria for the storage of sensitive Category I and II conventional arms, ammunition, and explosive items all of which require intrusion detection systems. This project is considered essential to protect vulnerable arms and equipment, in light of increasing terrorist attacks against U.S. interests worldwide, as well as threats from extremists, criminals, and activist groups.

CURRENT SITUATION: Existing and projected storage requirements for arms, ammunition, and explosive items will require 141 igloos to store Category I and II items. Igloos have required security fencing but lack intrusion detection systems and security lighting so that operations can be continued only under security waivers and with increased security staffing. Current protection involves hourly and semi-hourly physical checks of storage facilities by security forces.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Red River Army Depot, Texas		
4.PROJECT TITLE Security Upgrade		5.PROJECT NUMBER 127

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: If this project is not provided, existing substandard procedures using periodic roving security patrols and heightened vulnerability of sensitive ammunition items to adverse actions will continue.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 55
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 50
(b) All Other Design Costs 48
(c) Total Cost 98
(d) Contract 64
(e) In-house 34

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Security Equipment	OPA	87	450
		TOTAL	450

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Redstone Arsenal Alabama	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .88

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	711	2060	9394	257	1188	0	9	40	12	13,671
B. END FY 91	721	1923	10361	299	2068	0	10	168	14	15,564

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	38,299 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	289,616
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	19,500
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	68,517
F. PLANNED IN NEXT THREE YEARS	23,884
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	401,517

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317	293	MM/MICRO SIMLTR MICOM	19,500	04/84	08/86
		SUBTOTAL PROJECTS OVER $1M	19,500		
		TOTAL	19,500		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
312	TEST FAC MOD MICOM	10,650
310	DCTD ENERGY WPNS LAB MICOM	11,870
310	SYS ENGR LAB ADDN MICOM	16,424
141	BATTALION HEADQUARTERS	1,281
171	ASP/CSA TRAINING AREA	2,480
610	HEADQUATERS BLDG BMDO	25,000
	SUBTOTAL PROJECTS OVER $1M	67,705
610	RSA SCIENTFC LIBRARY MICOM	812
	SUBTOTAL PROJECTS $1M & LESS	812
	TOTAL	68,517

10. MISSION OR MAJOR FUNCTIONS:

Headquarters of US Army Missile Command, the principle commodity center for the research and development effort on rockets, guided missiles and related systems and equipment. Home of the Army Ordnance Missile and Munitions Training Center and School which conducts missile and munitions (Ordnance) training.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Redstone Arsenal Alabama

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Redstone Arsenal, Alabama	4. PROJECT TITLE Millimeter/Microwave Simulation Facility

5. PROGRAM ELEMENT 65004A	6. CATEGORY CODE 317	7. PROJECT NUMBER 293	8. PROJECT COST ($000) Auth 19,500 Approp 19,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				16,982
Laboratory Facility	SF	113,000	150.28	(16,982)
Supporting Facilities				841
Electric Service	LS	-	-	(49)
Water, Sewer & Gas	LS	-	-	(51)
Steam, Chilled Water & Heat Distribution	LS	-	-	(47)
Paving, Walks, Curbs & Gutters	LS	-	-	(161)
Storm Drainage	LS	-	-	(45)
Site Improvement (144) Demolition (4)	LS	-	-	(148)
Communication	LS	-	-	(327)
Fence (12) Gates (1)	LS	-	-	(13)
Subtotal				17,823
Contingency (5.00%)				891
Total Contract Cost				18,714
Supervision, Inspection & Overhead (5.50%)				1,029
Total Request				19,743
Total Request (Rounded)				19,500
Installed Equipment - Other Appropriations				(81,000)

10. Description of Proposed Construction Construction of missile hardware-in-the-loop simulation facilties with laboratories work space and operations space to accommodate 250 operating personnel. The new facility will be located in the existing high bay volume of the McMorrow Laboratories. Work will include required utilities services, communications, fire protection, paving, walks, parking, curbs, gutters, storm drainage, and site improvements. Accessibility for the handicapped will be provided. Heating from existing gas/oil fired central steam plant. Air Conditioning: 800 tons. Demolition of one (1) temporary-type structure (4,600 SF).

11. REQUIREMENT: 131,500 SF ADEQUATE: 18,500 SF SUBSTANDARD: None

PROJECT: Construct missile hardware-in-the-loop simulation facilities with laboratories work space and operations space.

REQUIREMENT: This project is required to provide adequate hardware-in-the-loop test support services to Army and other DOD agency programs in support of increasing demands for new technology and fielded missile programs. Facility will house six (6) missile hardware-in-the-loop facilities as follows: two radio-frequency simulators (for missiles, primarily air defense systems), one millimeter wave simulator (primarily for antitank systems), one utility chamber (primarily for seeker characterization tests),

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Redstone Arsenal, Alabama		
4.PROJECT TITLE Millimeter/Microwave Simulation Facility		5.PROJECT NUMBER 293

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
one weapon system simulator (for evaluation of total weapon systems), and one imaging infrared simulator (for Army Tactical and Strategic infrared imaging guided missiles) together with computer support space and sufficient working areas for the operating personnel.

CURRENT SITUATION: Three existing simulators do not have the capability to support high technology seekers that use millimeter wave and imaging infrared guidance, nor will the existing simulator, currently running at near capacity, be able to support the projected workload for future Army and other DOD systems which operate within their design capability. The simulator shortfall, in both technology and workload capacity, will become a serious problem by 1989.

IMPACT IF NOT PROVIDED: If this project is not provided, failure of the available facilities to adequately support the advanced and expanding missile systems will be a reality in the very near future. Also, modifications and improvements to current and near term missile systems and the development of future guided missile systems will not be affordable. Finally, the ability and flexibility to covertly test enemy systems and Army, Navy, and Air Force electronic countermeasures and missile systems against enemy threat changes will be sharply reduced.

ADDITIONAL: Economic Analysis indicates the cost effectiveness of this project. An economic analysis has been prepared comparing this project with the alternative of using actual test firings. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 84
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 1,200
(b) All Other Design Costs 390
(c) Total Cost 1,590
(d) Contract 1,200
(e) In-house 390

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Redstone Arsenal, Alabama		
4.PROJECT TITLE Millimeter/Microwave Simulation Facility		5.PROJECT NUMBER 293

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
RF Sim No. 2	Cust.Furn.	88/ 90	10000
RF Sim No. 3	RDTE(*)	90/ 94	8000
MM Sim No. 1	RDTE(*)	88/ 92	13000
Wpn Sys Cmd Con Sim	RDTE(*)	88/ 91	23350
RF Sim No. 4	RDTE(*)	88/ 90	13000
Imag IR Sim	RDTE(*)	90/ 94	8000
IMSS (Basic)	CAP INVEST	83/ 85	4150
IMSS (Improved)	CAP INVEST	86	1500
*Prog Elem	63322/D206		
		TOTAL	81,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Savanna Army Depot Illinois	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.05

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	3	1	245	0	0	139	1	0	166	555
B. END FY 91	3	1	245	0	0	139	1	0	166	555

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	13,064 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	37,557
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	320
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	2,864
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	40,741

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812	87	SEC LIGHTS IDS AMMO AREA	320	04/85	06/86
		SUBTOTAL PROJECTS $1M & LESS	320		
		TOTAL	320		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	NONE	
B. PLANNED NEXT THREE PROGRAM YEARS		
310	TRANSPORTABLILITY TEST FAC	2,525
	SUBTOTAL PROJECTS OVER $1M	2,525
926	AIR CONDITION AMMO CTR	339
	SUBTOTAL PROJECTS $1M & LESS	339
	TOTAL	2,864

10. MISSION OR MAJOR FUNCTIONS

To provide for receipt, storage support, renovation, and issue functions for Army, Navy, Air Force, Marine, and GSA materiel under the command of Letterkenny Army Depot. This depot activity maintains the capability to accommodate the receipt and shipment of containerized cargo. This activity also provides support to assigned organizations.

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION Savanna Army Depot Illinois

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Seneca Army Depot New York	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.15

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	39	458	995	0	0	0	34	74	84	1,684
B. END FY 91	39	458	877	0	0	0	34	74	84	1,566

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	10,670 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	67,007
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,100
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	5,123
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	73,230

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812	76	SECURITY LIGHTING	1,100	07/85	09/86
		SUBTOTAL PROJECTS OVER $1M	1,100		
		TOTAL	1,100		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	NONE	
B. PLANNED NEXT THREE PROGRAM YEARS		
810	CORRECT OSH DEF	2,100
441	CON WHSE TO CH	1,900
	SUBTOTAL PROJECTS OVER $1M	4,000
872	SECURITY FENCING PATROL RD	607
730	FIRE STATION	516
	SUBTOTAL PROJECTS $1M & LESS	1,123
	TOTAL	5,123

10. MISSION OR MAJOR FUNCTIONS:

Receipt, storage, and issue of ammunition and general supplies for the Army and general supplies for Defense Supply Agency. Receives and stores strategic and critical materials for General Services Administration. Performs depot maintenance and demilitatization on ammunition. Performs activities of receipt, initial acceptance inspection, property accounting, storage inspection, maintenance and issue of all fire control test and measuring equipment.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Seneca Army Depot New York

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	2,086

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Seneca Army Depot, New York	4. PROJECT TITLE Security Upgrade

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 880	7. PROJECT NUMBER 76	8. PROJECT COST ($000) Auth 1,100 Approp 1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,012
Igloo Security Lights	EA	45	846.70	(38)
Power Lines with Poles	LF	23,000	15.60	(359)
IDS & Communications Lines	LF	37,000	11.00	(407)
IDS Equipment Installation	LS	-	-	(185)
Emergency Generator	LS	-	-	(23)
Supporting Facilities				0
Subtotal				1,012
Contingency (5.00%)				51
Total Contract Cost				1,063
Supervision, Inspection & Overhead (5.50%)				58
Total Request				1,121
Total Request (Rounded)				1,100
Installed Equipment - Other Appropriations				(65)

10. Description of Proposed Construction Provide security lighting and commercial power to 45 ammunition storage igloos, emergency generator backup, intrusion detection system (IDS) monitoring equipment in the security police building, and connection of igloos and security police building with IDS and communication lines.

11. REQUIREMENT: 45 EA ADEQUATE: None SUBSTANDARD: 45 EA

PROJECT: Provide intrusion detection and security lighting.

REQUIREMENT: This project is required to provide adequate security for igloos in the conventional ammunition storage area for storage of Category I and II ammunition and explosives.

CURRENT SITUATION: Presently the igloos in the conventional ammunition storage area have no IDS systems or security lighting. Security is being provided by securing the igloos with locks, security fencing and guards.

IMPACT IF NOT PROVIDED: If this project is not provided, the security and safety of the explosives and ammunition stored in conventional ammunition igloos will be jeopardized.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Seneca Army Depot, New York		
4.PROJECT TITLE Security Upgrade		5.PROJECT NUMBER 76

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status:

(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 45
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 49
(b) All Other Design Costs 19
(c) Total Cost 68
(d) Contract 51
(e) In-house 17

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrus Detect Equip	OPA	86	65
		TOTAL	65

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 85
3. INSTALLATION AND LOCATION Sierra Army Depot California	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.33

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	23	312	602	0	0	0	7	15	59	1,018
B. END FY 91	23	311	581	2	73	0	10	58	61	1,119

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 36,313 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	97,013
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,450
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,382
F. PLANNED IN NEXT THREE YEARS	18,325
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	120,170

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
880	78	INTRUSION ALARM SYSTEM	2,450	07/85	06/86
		SUBTOTAL PROJECTS OVER $1M	2,450		
		TOTAL	2,450		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
740	RECREATION CENTER	2,382
	SUBTOTAL PROJECTS OVER $1M	2,382
	TOTAL	2,382
B.	PLANNED NEXT THREE PROGRAM YEARS	
111	AMEDEE AIRFIELD RECONST	14,895
216	AMMO SURVEILLANCE WKSHP	2,070
	SUBTOTAL PROJECTS OVER $1M	16,965
149	AMMO CONTAINER LOADING YD	567
141	AMEDEE AIRFIELD EQUIP FAC	498
	SUBTOTAL PROJECTS $1M & LESS	1,065
	TOTAL	18,030

10. MISSION OR MAJOR FUNCTIONS:

Receipt, storage, maintenance, renovation, distribution of ammunition and components, general supplies and weapons material. Restoration of conventional,guided missile and weapons ammunition to serviceable condition. Surveillance to include observation, tests, studies, grading and

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Sierra Army Depot California

10. MISSION OR MAJOR FUNCTIONS: (CONTINUE)

classification of ammunitionand weapons, and analysis of material and guided missiles in movement, storage and use with respect to serviceability hazard and rate of deterioration.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Sierra Army Depot, California	4.PROJECT TITLE Security Upgrade

5.PROGRAM ELEMENT 72896A	6.CATEGORY CODE 880	7.PROJECT NUMBER 78	8.PROJECT COST ($000) Auth 2,450 Approp 2,450

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,099
Igloo IDS System (Block D)	EA	100	8,528	(853)
Igloo Power & LTG (Block D)	EA	100	3,078	(308)
Site IDS Dist (Cable, Repeaters)	LS	-	-	(687)
Bldg 402 IDS	LS	-	-	(32)
Bldg 541 IDS (Connection)	LS	-	-	(5)
See Cost Estimates (Continued)				(214)
Supporting Facilities				122
Electric Service	LS	-	-	(35)
Paving, Walks, Curbs & Gutters	LS	-	-	(51)
Site Improvement	LS	-	-	(36)
Subtotal				2,221
Contingency (5.00%)				111
Total Contract Cost				2,332
Supervision, Inspection & Overhead (5.50%)				128
Total Request				2,460
Total Request (Rounded)				2,450
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Install an intrusion detection system (IDS) and exterior lighting for 100 igloos; install IDS in five (5) ammunition and explosives maintenance facilities and four (4) bunkers. Construct 20'x20' addition to security building and install IDS monitoring equipment. Heating and air conditioning with self-contained system. Air conditioning: 5 tons.

11. REQUIREMENT: 164 EA ADEQUATE: 55 EA SUBSTANDARD: 109 EA

PROJECT: Install intrusion detection system for ammunition and explosives storage and maintenance facilities.

REQUIREMENT: This project is required to satisfy security requirements for sensitive conventional arms ammunition and explosives.

CURRENT SITUATION: Currently, motorized security patrols for visual checks are used during nonduty hours at irregular intervals of one (1) hour for Category I items and two (2) hours for Category II items. When the facilities are protected by the IDS, the intervals between checks shall not exceed four (4) and eight (8) hours respectively, thus greatly reducing the time, vehicles and labor required for mission accomplishment.

IMPACT IF NOT PROVIDED: If this project is not provided, total security coverage and response to intrusions into the Category I and II items storage and maintenance areas will be jeopardized.

DD FORM 1 DEC 76 DD1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Sierra Army Depot, California		
4. PROJECT TITLE Security Upgrade		5. PROJECT NUMBER 78

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Bldg 544 IDS (Connection)	LS	-	-	5
Bldg 640 & Bunkers (Connection)	LS	-	-	10
P-100 Addition 20 X 20	SF	400	107.36	43
Control Room Equip	LS	-	-	105
Spare Parts	LS	-	-	24
Igloo Vent Barriers	EA	100	268.40	27
			Total	214

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUL 85

(b) Percent Complete As Of January 1986 60

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... FEB 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 130

(b) All Other Design Costs 52

(c) Total Cost 182

(d) Contract 130

(e) In-house 52

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Tooele Army Depot Utah	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.05

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	32	28	3954	27	153	0	2	11	134	4,341
B. END FY 91	32	37	4254	37	213	0	2	11	134	4,720

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	24,735 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	63,062
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,850
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	16,010
F. PLANNED IN NEXT THREE YEARS	20,463
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	101,385

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872	86	SEC UPGRD CONV MUN STGE	1,850	05/85	06/86
		SUBTOTAL PROJECTS OVER $1M	1,850		
		TOTAL	1,850		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
880	INTRUSION ALARM SYS	6,241
831	IND WASTE COLLECT & TREAT	9,769
	SUBTOTAL PROJECTS OVER $1M	16,010
	TOTAL	16,010
B. PLANNED NEXT THREE PROGRAM YEARS		
441	SUPPLY DISTRIBUTION CENTER	17,542
310	RADIOGRAPH INSPECT LAB	1,294
	SUBTOTAL PROJECTS OVER $1M	18,836
811	SOUTH AREA ELEC UPGRADE	992
	SUBTOTAL PROJECTS $1M & LESS	992
	TOTAL	19,828

10. MISSION OR MAJOR FUNCTIONS:

To operate a supply and maintenance depot rebuilding and storing assigned comodities. Comodity groups include ammunition, chemical munitions, wheeled vehicles, power generation systems, mobil rail stock, engineer equipment, and vehicle components. Also to provide hands on training to

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Tooele Army Depot Utah

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

reserve troops.

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11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	5,300
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Tooele Army Depot, Utah	4. PROJECT TITLE Security Upgrade

5. PROGRAM ELEMENT 72007A	6. CATEGORY CODE 872	7. PROJECT NUMBER 86	8. PROJECT COST ($000) Auth 1,850 Approp 1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,464
Fence and Gates	LF	16,350	19.79	(324)
Perimeter Lights	EA	18	3,513	(63)
Igloo Lights	EA	97	2,376	(230)
Intrusion Detection System	EA	140	1,061	(149)
Conduit, Cable and Trenches	LF	123,500	4.88	(603)
See Cost Estimates (Continued)				(95)
Supporting Facilities				204
Electric Service.	LS	-	-	(9)
Paving, Walks, Curbs & Gutters	LS	-	-	(82)
Site Improvement	LS	-	-	(39)
Contractor Installed CFM	LS	-	-	(74)
Subtotal				1,668
Contingency (5.00%)				83
Total Contract Cost				1,751
Supervision, Inspection & Overhead (5.50%)				96
Total Request				1,847
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(291)

10. Description of Proposed Construction Upgrade security protection for 97 igloos required for Category I and II munitions storage by providing security fencing, exterior security lighting, perimeter lights, and installing an intrusion detection system (IDS). Roads and communications will be provided.

11. REQUIREMENT: 97 EA ADEQUATE: None SUBSTANDARD: 97 EA

PROJECT: Upgrade security protection for sensitive munitions storage.

REQUIREMENT: This project is required to bring the level of security for sensitive arms and ammunition to current standards and to prevent the unauthorized entry of individuals into sensitive storage areas.

CURRENT SITUATION: Currently Category I and II sensitive items are stored in igloos scattered throughout the installation. They are protected by only a mild steel locking bar and two barbed wire fences. Neither intrusion detection systems nor security lighting are available to aid in protection. As a result, near incidents have occurred.

IMPACT IF NOT PROVIDED: If this project is not provided, security for sensitive arms and ammunition will remain in noncompliance with current Army regulations and the threat of unauthorized entry will continue.

12. SUPPLEMENTAL DATA:

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Tooele Army Depot, Utah

4. PROJECT TITLE Security Upgrade	5. PROJECT NUMBER 86

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Grid Bars	EA	145	442.13	64
Rear Vent Barriers	EA	97	324.03	31
			Total	95

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data:

(1) Status:
(a) Date Design Started ....MAY 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....OCT 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 63
(b) All Other Design Costs 58
(c) Total Cost 121
(d) Contract 70
(e) In-house 51

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrus Detect Equip	OPA	86	291
		TOTAL	291

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Umatilla Depot Activity Oregon	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.10

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	3	0	256	0	0	0	2	26	0	287
B. END FY 91	3	0	265	0	0	0	2	26	0	296

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	19,729 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	36,364
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	19,749
F. PLANNED IN NEXT THREE YEARS	1,744
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	58,907

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812	40	SEC UPGRD CONV MUN STGE	1,050	03/85	05/86
		SUBTOTAL PROJECTS OVER $1M	1,050		
		TOTAL	1,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
216	AMMO DEMILITARIZATION FAC	16,018
880	INTRUSION ALARM SYS	3,731
	SUBTOTAL PROJECTS OVER $1M	19,749
	TOTAL	19,749
B. PLANNED NEXT THREE PROGRAM YEARS		
422	AMMO HNDL BLDG	1,744
	SUBTOTAL PROJECTS OVER $1M	1,744
	TOTAL	1,744

10. MISSION OR MAJOR FUNCTIONS:

To operate a reserve ammunition storage depot with limited shipping, receiving and maintenance capability to handle the stored conventional and chemical munitions.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Umatilla Depot Activity Oregon

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Umatilla Depot Activity, Oregon	4. PROJECT TITLE Security Upgrade

5. PROGRAM ELEMENT 72007A	6. CATEGORY CODE 880	7. PROJECT NUMBER 40	8. PROJECT COST ($000) Auth 1,050 Approp 1,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				644
IDS Cable	LF	42,000	8.76	(368)
IDS Installation	EA	33	1,120	(37)
Igloo Lights	EA	33	1,636	(54)
FE5 Fence	LF	15,000	12.33	(185)
Supporting Facilities				325
Electric Service	LS	-	-	(267)
Paving, Walks, Curbs & Gutters	LS	-	-	(19)
Site Improvement	LS	-	-	(8)
Communication	LS	-	-	(31)
Subtotal				969
Contingency (5.00%)				48
Total Contract Cost				1,017
Supervision, Inspection & Overhead (5.50%)				56
Total Request				1,073
Total Request (Rounded)				1,050
Installed Equipment - Other Appropriations				(83)

10. Description of Proposed Construction Upgrade security protection for thirty-three (33) igloos required for Category I and II munitions storage by providing exterior security lighting, security fencing, and installing an intrusion detection system (IDS). Communications links with security headquarters will be provided.

11. REQUIREMENT: 11,000 LF ADEQUATE: None SUBSTANDARD: None

PROJECT: Install additional security measures at ammunition igloos and operational buildings.

REQUIREMENT: Minimal security standards and criteria for the storage of sensitive Category I and II conventional arms, ammunition, and explosive (AAE) items require the provision of intrusion detection systems, security fencing, and lighting of storage igloos. Similar requirements exist for operational buildings where periodic overnight storage of in-process items may be required. This project is considered essential in light of increasing terrorist attacks against US interests worldwide, as well as threats from extremists, criminals, and activist groups.

CURRENT SITUATION: Existing and projected storage requirements for arms, ammunition and explosive items require security waiver and increased security staffing. Current protection involves periodic physical checks of storage

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Umatilla Depot Activity, Oregon		
4.PROJECT TITLE Security Upgrade		5.PROJECT NUMBER 40

facilities by security forces, with Category I items checked hourly and Category II items checked every two hours.

IMPACT IF NOT PROVIDED: Failure to provide this project will require the continued use of vulnerable security procedures using periodic roving security patrols and heightened risk of sensitive ammunition items to adverse actions.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAR 85

(b) Percent Complete As Of January 1986 90

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a)	Production of Plans and Specifications	55
(b)	All Other Design Costs	13
(c)	Total Cost	68
(d)	Contract	0
(e)	In-house	68

(4) Construction Start .... FEB 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrus Detect Equip	OPA	86	83
		TOTAL	83

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Wingate New Mexico	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.06

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	0	125	0	0	0	0	0	0	127
B. END FY 91	2	0	96	0	0	0	0	0	0	98

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	22,120 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	29,716
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	350
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	30,066

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
872	33	SEC UPGRD CONV MUN STGE	350	09/85	08/86
		SUBTOTAL PROJECTS $1M & LESS	350		
		TOTAL	350		

9. FUTURE PROJECTS:

CATEGORY CODE PROJECT TITLE COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88): NONE

B. PLANNED NEXT THREE PROGRAM YEARS: NONE

10. MISSION OR MAJOR FUNCTIONS:

To operate a reserve ammunition storage depot with limited shipping and receiving capacity and accomplish limited maintenance on facilities, equipment and ammunition upon tasking.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Yuma Proving Ground Arizona	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.31

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	39	265	650	0	0	0	13	97	79	1,151
B. END FY 91	63	362	664	0	0	0	4	2	6	1,101

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	830,087 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	64,709
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	820
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	10,054
F. PLANNED IN NEXT THREE YEARS	37,47[illegible]
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	113,[illegible]

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	133	CHILD DEV/REL ED CTR	820	10/84	08/85
		SUBTOTAL PROJECTS $1M & LESS	820		
		TOTAL	820		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
319	AIR CARGO TEST PREP CMPLX	10,054
	SUBTOTAL PROJECTS OVER $1M	10,054
	TOTAL	10,054
B. PLANNED NEXT THREE PROGRAM YEARS:		
214	SUPPORT MAINT SHOP	18,110
131	ADP/COMM CENTER	9,402
316	TEST PREPARATION/STORAGE F	4,926
740	EDUCATION CENTER & LIBRARY	1,746
	SUBTOTAL PROJECTS OVER $1M	34,184
	TOTAL	34,184

10. MISSION OR MAJOR FUNCTIONS:

a. Test and Evaluation Mission: Presently, the principal mission of Yuma Proving Ground (YPG) is to plan, conduct, evaluate, and report the results of development tests and other tests, and review plans for and monitor conduct of development testing planned or conducted by proponent materiel developers, producers, and contractor in accordance with integrated testing

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Yuma Proving Ground Arizona

10. MISSION OR MAJOR FUNCTIONS: (CONTINUE)

cycle policies for tube artillery systems, aircraft armament systems, air delivery systems and air moveable equipment, and mobility equipment. Plan, conduct, and report the results of desert environmental tests of all classes of materiel. Provide technical support to the mission of the US Army Cold Regions Test Center and to other Federal agencies. Provide, coordinate, and control assigned air and land space for DOD agencies requiring these assets in the accomplishment of their missions. Provide advice and guidance on test and evaluation matters to materiel developers, materiel producers, other services, and private industry.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
AMMUNITION FACILITIES

INSTALLATION PN	PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Materiel Command				
Holston Army Ammunition Plant, TN				99
70	Backup Electric Power	2,950	0	101
72	Modernize A Composition Facilities Line 10	5,000	0	103
73	Modernize Composition A 5 Drying Process	3,000	0	105
74	Turbine Generator for Building B 6 (ECAM)	330	0	107
	SUBTOTAL FOR Holston Army Ammunition Plant	$ 11,280	0	
Indiana Army Ammunition Plant, IN				109
46	Access Roads to Shiphouses	260	0	111
47	Modernize Testing Laboratories	1,300	0	113
	SUBTOTAL FOR Indiana Army Ammunition Plant	$ 1,560	0	
Kansas Army Ammunition Plant, KS				115
33	Upgrade Coal Handling System Building 209	640	0	117
34	Emergency Lighting & Power for 300 Line	410	0	119
	SUBTOTAL FOR Kansas Army Ammunition Plant	$ 1,050	0	
Lake City Army Ammunition Plant, MO				121
28	Water Wells	370	0	123
	SUBTOTAL FOR Lake City Army Ammunition Plant	$ 370	0	
Milan Army Ammunition Plant, TN				125
41	Ammunition Storage Magazines for Line B	610	0	127
	SUBTOTAL FOR Milan Army Ammunition Plant	$ 610	0	
Radford Army Ammunition Plant, VA				129
96	Steam Supply Line to Horseshoe Area	8,700	0	131
97	Electric Power Center Upgrade	9,200	0	134
98	Expand 155MM Stick Propellant Production	750	0	137
99	Replace Explosion Protection Barricades	1,100	0	139
	SUBTOTAL FOR Radford Army Ammunition Plant	$ 19,750	0	
	*TOTAL US Army Materiel Command	$ 34,620	0	

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROGRAM

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
Holston Army Ammunition Plant
Tennessee

4. COMMAND
US ARMY MATERIEL COMMAND

5. AREA CONSTRUCTION COST INDEX
.71

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	0	1206	0	0	0	1	9	6	1,224
B. END FY 91	2	0	1793	0	0	0	1	0	6	1,802

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 6,114 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	139,360
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,280
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,300
F. PLANNED IN NEXT THREE YEARS	3,800
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	157,740

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
226	70	BACKUP ELECTRIC POWER	2,950	01/85	11/85
226	72	MODN A COMP FACS LINE 10.	5,000	03/86	10/86
226	73	MODERNIZE COMP A 5 DRY PROCESS	3,000	01/86	10/86
		SUBTOTAL PROJECTS OVER $1M	10,950		
811	74	TURBINE GENERATOR BLDG B 6(ECAM)	330	03/85	06/86
		SUBTOTAL PROJECTS $1M & LESS	330		
		TOTAL	11,280		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
226	EXPLOSIVE LOADING DOCK	3,300
	SUBTOTAL PROJECTS OVER $1M	3,300
	TOTAL	3,300
B. PLANNED NEXT THREE PROGRAM YEARS:		
226	PRODUCTION SUPPORT & EQUIPMENT REPLA	500
	SUBTOTAL PROJECTS $1M & LESS	500
	TOTAL	500

10. MISSION OR MAJOR FUNCTIONS
MANUFACTURE EXPLOSIVES AND CHEMICAL MATERIALS

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Holston Army Ammunition Plant Tennessee

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	22,176
B. WATER POLLUTION	19,614
C. OCCUPATIONAL SAFETY AND HEALTH	867

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Holston Army Ammunition Plant, Tennessee	4. PROJECT TITLE Backup Electric Power

5. PROGRAM ELEMENT 78011A	6. CATEGORY CODE 226	7. PROJECT NUMBER 70	8. PROJECT COST ($000) Auth 2,950 Approp 0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,364
Electric Power Substation	LS	-	-	(270)
Power Lines (34.5 KV & 13.8 KV)	LS	-	-	(420)
Auto Transfer Switches (31)	LS	-	-	(882)
Transformers (31)	LS	-	-	(792)
Supporting Facilities				320
Electric Service	LS	-	-	(320)
Subtotal				2,684
Contingency (5.00%)				134
Total Contract Cost				2,818
Supervision, Inspection & Overhead (5.50%)				155
Total Request				2,973
Total Request (Rounded)				2,950
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Install all required equipment, cables and materials to distribute, independently from the primary system, backup electric power to 31 production buildings. The work includes substations, power lines, automatic transfer switches, transformers, circuit breakers, cables, conduit, and transformer platforms.

11. REQUIREMENT:

PROJECT: Construct backup electric power system for certain explosive production buildings.

REQUIREMENT: This project is required to eliminate a safety hazard at this plant and allow continued operation of the plant at the existing intraline quantity distances.

CURRENT SITUATION: Production buildings that have processes for acetic acid recovery, nitrolysis, acid wash, recrystallization, process storage and/or surge containment require continuous pumping and agitation of an explosive slurry mix in various process tanks and vats. The loss of electric power at any of these buildings will cause the pumping and agitation to cease, which will result in the settling of the expolosives and a consequent violation of quantity-distance requirements. As long as the agitation of the slurry mix is maintained, the explosive does not settle and remains non-detonable and

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Holston Army Ammunition Plant, Tennessee		
4.PROJECT TITLE Backup Electric Power		5.PROJECT NUMBER 70

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
therefore does not add to the total explosive load in the building to create the safety violation. The installation of a backup power line with the capability of each building being on line in 5 seconds or less upon the loss of the normal power source will alleviate this situation and bring Holston into compliance with this safety requirement. Holston is presently operating under a safety waiver.

IMPACT IF NOT PROVIDED: If this project is not provided, Holston AAP must continue to operate under a safety waiver with the continued threat of death and/or injury to production workers and the loss of costly production facilities.

ADDITIONAL: An economic analysis of the proposed backup power line versus a system of standby generators has shown that the proposed project is the least costly means of providing the standby power.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started .... JAN 85
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... NOV 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 90
(b) All Other Design Costs 45
(c) Total Cost 135
(d) Contract 34
(e) In-house 101

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		0
		TOTAL	None

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Holston Army Ammunition Plant, Tennessee	4. PROJECT TITLE Modernize A-Composition Facilities-Line 10

5. PROGRAM ELEMENT 78011A	6. CATEGORY CODE 226	7. PROJECT NUMBER 72	8. PROJECT COST (#000) Auth 5,000 Approp 0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (#000)
Primary Facility				4,230
New Construction	LS	-	-	(1,558)
Alteration, Conversion	LS	-	-	(2,672)
Supporting Facilities				284
Site Improvement (0) Demolition (50)	LS	-	-	(50)
Utilities, Paving, Site Work	LS	-	-	(234)
Subtotal				4,514
Contingency (5.00%)				226
Total Contract Cost				4,740
Supervision, Inspection & Overhead (5.50%)				261
Total Request				5,001
Total Request (Rounded)				5,000
Installed Equipment - Other Appropriations				(19,700)

10. Description of Proposed Construction New construction, alteration, conversion, utilities services, paving and site work as required to modernize A-Composition production facilities on Line 10. Demolish five (5) substandard buildings (14,480 SF).

11. REQUIREMENT:

PROJECT: Modernize A-Composition production facilities on Line 10.

REQUIREMENT: This project is required to establish sufficient production capability to meet mobilization end-product outpost levels for A-Composition explosives and to enhance production worker safety.

CURRENT SITUATION: Line 10 is now configured for batch type production of B-Composition explosive and is presently in layaway. Modernization of Line 10 for A-Compositions manufacture is necessary to meet established modernization production rates. Holston is the sole producer of RDX explosives in the United States. Compositions A-3, A-4 and A-5 are coated RDX products used in press-loaded munitions.

IMPACT IF NOT PROVIDED: If this project is not provided, the mobilization production levels for A-Composition explosives cannot be met and the existing batch process production facilities will continue to pose higher than necessary risks to production worker safety.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Holston Army Ammunition Plant, Tennessee

4. PROJECT TITLE Modernize A-Composition Facilities-Line 10	5. PROJECT NUMBER 72

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAR 86
(b) Percent Complete As Of January 1986 0
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 165
(b) All Other Design Costs 261
(c) Total Cost 426
(d) Contract 205
(e) In-house 221

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Ammo Production Eq	PAA	87	19700
		TOTAL	19,700

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Holston Army Ammunition Plant, Tennessee	4. PROJECT TITLE Modernize Composition A-5 Drying Process

5. PROGRAM ELEMENT 78011A	6. CATEGORY CODE 226	7. PROJECT NUMBER 73	8. PROJECT COST ($000) Auth 3,000 Approp 0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,600
New Construction	LS	-	-	(2,600)
Supporting Facilities				110
Utilities, Paving, Walks	LS	-	-	(110)
Subtotal				2,710
Contingency (5.00%)				136
Total Contract Cost				2,846
Supervision, Inspection & Overhead (5.50%)				157
Total Request				3,003
Total Request (Rounded)				3,000
Installed Equipment - Other Appropriations				(2,900)

10. Description of Proposed Construction New construction, alterations, support facilities and utilities as required to modernize A-5 Drying Process.

11. REQUIREMENT:

PROJECT: Modernize Composition A-5 Drying Process.

REQUIREMENT: This project is required to modernize an existing drying process to reduce labor and operating space requirements and make existing facilities available for production of other A-Compositions and PBX-Compositions. The proposed modernization is needed to meet FYDP production requirements.

CURRENT SITUATION: Composition A-5 explosive is now dried using drying beds which require extra labor, utilities and facility space. The plant cannot meet the FYDP production requirements without additional, faster drying methods. The FYDP production for Composition A-5 alone would require all existing drying beds.

IMPACT IF NOT PROVIDED: If this project is not provided, the plant cannot meet the FYDP production requirements and excessive operating costs will continue for the explosive produced using the existing drying bed process.

12. SUPPLEMENTAL DATA:

1. COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Holston Army Ammunition Plant, Tennessee		
4. PROJECT TITLE Modernize Composition A-5 Drying Process		5. PROJECT NUMBER 73

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JAN 86

(b) Percent Complete As Of January 1986 0

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 40

(b) All Other Design Costs 70

(c) Total Cost 110

(d) Contract 77

(e) In-house 33

(4) Construction Start .... NOV 86 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Drying Process Equipment	PAA	1987	2900
		TOTAL	2,900

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Holston Army Ammunition Plant, Tennessee	4. PROJECT TITLE Turbine Generator for Building B-6 (ECAM)

5. PROGRAM ELEMENT 78011A	6. CATEGORY CODE 811	7. PROJECT NUMBER 74	8. PROJECT COST ($000) Auth 330 Approp 0

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				226
Steam Turbine/Generator Set	LS	-	-	(214)
6" Steam Supply Line w/Insul	LS	-	-	(6)
8" Steam Exhaust w/Insulation	LS	-	-	(6)
Supporting Facilities				59
Electric Service	LS	-	-	(23)
Transformer	LS	-	-	(36)
Subtotal				285
Contingency (10.00%)				29
Total Contract Cost				314
Supervision, Inspection & Overhead (5.50%)				17
Total Request				331
Total Request (Rounded)				330
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Install turbine generator set in Building B-6 and furnish with steam supply and exhaust lines, electrical work and switch gear, desuperheater, valves, traps, and required appurtenances.

11. REQUIREMENT:

PROJECT: Install steam turbine generator set to recover energy from high pressure, superheated steam through generation of electricity.

REQUIREMENT: This project is required to effect energy conservation by saving 29,738 MBTUs of steam energy per year. The high quality mechanical energy of the 300 psig steam (reduced to 30 psig), presently used only as thermal energy for Building B-3 process heating, can be recovered by using it in a steam turbine-generator to produce electrical energy. The lower quality steam discharged from the turbine can then still be used at Building B-3 for process heating purposes.

CURRENT SITUATION: Presently, 300 psig steam is reduced to 30 psig at Building B-11 and piped to Building B-3 for desuperheating and used as low pressure process steam. At an average steam requirement of 17,000 lb/hr, a substantial cost reduction can be realized by utilizing a steam turbine/induction generator set to provide pressure reduction and desuperheating of the 300 psig steam. The superheat and pressure energy can

DD FORM 1 DEC 76 DD1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
Holston Army Ammunition Plant, Tennessee

4. PROJECT TITLE
Turbine Generator for Building B-6 (ECAM)

5. PROJECT NUMBER
74

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
be recovered as electrical power using the turbine-generator and the turbine discharge steam can then be used to meet process steam requirements at Building B-3.

IMPACT IF NOT PROVIDED: If this project is not provided, recoverable energy will be lost and the projected cost savings will not be realized.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
- (1) Status:
  - (a) Date Design Started .... MAR 85
  - (b) Percent Complete As Of January 1986 35
  - (c) Percent Complete As Of October 1986 100
  - (d) Date Design Complete .... JUN 86
- (2) Basis:
  - (a) Standard or Definitive Design - Yes ___ No X
  - (b) Where Design Was Most Recently Used N/A
- (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  - (a) Production of Plans and Specifications 19
  - (b) All Other Design Costs 32
  - (c) Total Cost 51
  - (d) Contract 36
  - (e) In-house 15
- (4) Construction Start .... JUL 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Indiana Army Ammunition Plant Indiana	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.02

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	0	38	0	0	1	2	2	34	79
B. END FY 91	2	0	39	0	0	1	2	8	35	87

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 12,206 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85........	176,822
C. AUTHORIZATION NOT YET IN INVENTORY........	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM........	1,560
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM........	0
F. PLANNED IN NEXT THREE YEARS........	4,700
G. REMAINING DEFICIENCY........	0
H. GRAND TOTAL........	183,082

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
310	47	MODERNIZE TESTING LABS	1,300	11/82	11/83
		SUBTOTAL PROJECTS OVER $1M	1,300		
851	46	ACCESS ROADS TO SHIPHOUSES	260	11/85	12/85
		SUBTOTAL PROJECTS $1M & LESS	260		
		TOTAL	1,560		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE	
B.	PLANNED NEXT THREE PROGRAM YEARS :	
226	105MM M67 PROPELLANT CHARGE	4,400
	SUBTOTAL PROJECTS OVER $1M	4,400
226	PROD SUPPORT & EQUIPMENT REPLACEMENT	300
	SUBTOTAL PROJECTS $1M & LESS	300
	TOTAL	4,700

10. MISSION OR MAJOR FUNCTIONS:

Production of propellants & explosives and loading, assembling & packing of ammunition and items.

DD 1 FORM DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Indiana Army Ammunition Plant Indiana

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Indiana Army Ammunition Plant, Indiana	4.PROJECT TITLE Access Roads to Shiphouses

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 851	7.PROJECT NUMBER 46	8.PROJECT COST ($000) Auth 260 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				159
Access Roads				
4" Gravel Base	SY	22,900	2.25	(52)
4" Gravel Surface	SY	21,950	2.30	(50)
Grading and Excavation	LS	-	-	(45)
Railroad Crossing & Ballast Curb	LS	-	-	(12)
Supporting Facilities				72
Electric Service	LS	-	-	(19)
Storm Drainage	LS	-	-	(11)
Demolition & Site Work	LS	-	-	(42)
Subtotal				231
Contingency (5.00%)				12
Total Contract Cost				243
Supervision, Inspection & Overhead (5.50%)				13
Total Request				256
Total Request (Rounded)				260
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct access roads to sixteen (16) rail shiphouses used for explosive storage. Work includes gravel roads, excavation, grading, storm drainage, relocation of electric lines, construction of railroad crossings, demolition and site work.

11. REQUIREMENT:

PROJECT: Construct gravel access roads to existing rail shiphouses.

REQUIREMENT: Access roads are needed to allow trailer truck access to existing shiphouses that have only rail access, in order to satisfy end-product storage requirements.

CURRENT SITUATION: This project is the third phase of the ongoing effort to provide adequate storage facilities for Class 1.3 explosives through the conversion of existing railroad shiphouses to motor-truck-accessible explosive storage facilities. This plant now lacks adequate facilities for the temporary storage of explosive end-products resulting from current production quotas.

IMPACT IF NOT PROVIDED: If this project is not provided, the plant will continue to lack adequate storage facilities, more people than necessary will be exposed to the hazards of manually handling explosives and savings in operating cost of approximately $368,000 annually cannot be realized.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Indiana Army Ammunition Plant, Indiana		
4.PROJECT TITLE Access Roads to Shiphouses		5.PROJECT NUMBER 46

11. REQUIREMENT: (Continued)

ADDITIONAL: Economic analysis indicates that the provision of access roads and conversion of the shiphouse to permit fork-lift truck operation will result in savings in operating costs of approximately $23,000 per building per year.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....NOV 85

(b) Percent Complete As Of January 1986 100

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....DEC 85

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 3

(b) All Other Design Costs 26

(c) Total Cost 29

(d) Contract 22

(e) In-house 7

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Indiana Army Ammunition Plant, Indiana	4.PROJECT TITLE Modernize Testing Laboratories

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 316	7.PROJECT NUMBER 47	8.PROJECT COST ($000) Auth 1,300 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,128
Central Lab Modernization	SF	8,400	124.87	(1,049)
Metrology Lab Modernization	SF	2,900	13.76	(40)
Explosive Samples Magazine	SF	210	187.62	(39)
Supporting Facilities				33
Electric Service	LS	-	-	(13)
Paving, Walks, Curbs & Gutters	LS	-	-	(5)
Storm Drainage	LS	-	-	(2)
Site Improvement	LS	-	-	(13)
Subtotal				1,161
Contingency (5.00%)				58
Total Contract Cost				1,219
Supervision, Inspection & Overhead (5.50%)				67
Total Request				1,286
Total Request (Rounded)				1,300
Installed Equipment - Other Appropriations				(700)

10.Description of Proposed Construction Construct alterations and improvements to Central Laboratory (Building 228-1) and Metrology Laboratory (Building 2591) and construct new Explosive Samples Magazine. Work includes improvements to building utility support, paving and walks, storm drainage and site work.

11. REQUIREMENT:

PROJECT: Alter two existing laboratory buildings and construct explosive samples storage magazine.

REQUIREMENT: Upgrading of the Chemical and Physical Testing Laboratories is needed to provide a safe and adequate quality control operation at this plant.

CURRENT SITUATION: The existing laboratories were first activated during World War II and because of their age and physical condition they do not meet present-day safety regulations, or meet electrical and building codes. The buildings have been cited for eight (8) OSHA safety violations in the wiring, electrical devices and controls, and they lack explosion-proof fixtures in the hazardous, black powder testing area. Chemical fume hoods have insufficient exhaust air flow and makeup-air systems. Most lab areas lack the controlled temperature and humidity required for accurate quality control testing, and existing work areas are not efficient because of poor functional layouts.

IMPACT IF NOT PROVIDED: If this project is not provided, this plant must

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Indiana Army Ammunition Plant, Indiana		
4.PROJECT TITLE Modernize Testing Laboratories		5.PROJECT NUMBER 47

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

continue to operate with substandard and inefficient testing laboratory facilities and laboratory personnel will continue to be exposed under the present working conditions that do not meet safety codes for the handling of hazardous materials.

ADDITIONAL: Modern laboratory and test equipment will be installed in the upgraded facilities. The equipment will be funded with Procurement Dollars and will cost approximately $293,000.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....NOV 82

(b) Percent Complete As Of January 1986 100

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....Nov 83

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 114

(b) All Other Design Costs 122

(c) Total Cost 236

(d) Contract 146

(e) In-house 90

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Laboratory Equip	PAA	87	700
		TOTAL	700

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Kansas Army Ammunition Plant Kansas	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .94

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	0	31	0	0	0	0	0	0	33
B. END FY 91	2	0	35	0	0	0	0	0	0	37

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 13,035 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	53,172
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	500
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	54,722

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
812	34	EMERG LIGHT/POWER 300 LINE	410	01/85	05/86
821	33	UG COAL HANDLING BLDG 209	640	01/85	01/86
		SUBTOTAL PROJECTS $1M & LESS	1,050		
		TOTAL	1,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS :		
226	PROD SUPPORT & EQUIPMENT REPLACEMENT	500
	SUBTOTAL PROJECTS $1M & LESS	500
	TOTAL	500

10. MISSION OR MAJOR FUNCTIONS:

Produce propellants and explosives.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Kansas Army Ammunition Plant Kansas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Kansas Army Ammunition Plant, Kansas	4.PROJECT TITLE Upgrade Coal Handling System-Building 209

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 821	7.PROJECT NUMBER 33	8.PROJECT COST ($000) Auth 640 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				495
Coal Handling Equipment	LS	-	-	(376)
Structural/Civil Work	LS	-	-	(88)
Flyash Alteration/Rework	LS	-	-	(2)
Replace Windows/Glazing	LS	-	-	(9)
Electrical Work	LS	-	-	(20)
Supporting Facilities				52
Demolition and Site Work	LS	-	-	(52)
Subtotal				547
Contingency (10.00%)				55
Total Contract Cost				602
Supervision, Inspection & Overhead (5.50%)				33
Total Request				635
Total Request (Rounded)				640
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Demolish existing coal handling system and replace with new. Work includes structural supports, rework of flyash system, electrical work, window replacement and site work.

11. REQUIREMENT:

PROJECT: Replace coal handling system on Boiler Plant 209.

REQUIREMENT: This project is required to replace a worn-out coal handling system that is unrepairable.

CURRENT SITUATION: The coal handling system was installed in 1941-42, when the boiler plant was built, and years of use has resulted in wear and tear and deterioration to the point that repair of the system is no longer feasible.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing system will continue to break down and eventually cause shutdown of the steam plant due to lack of fuel and thus cause loss of heat and process steam in the area served by Boiler Plant 209.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  (1) Status:
    (a) Date Design Started ....JAN 85

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Kansas Army Ammunition Plant, Kansas		
4.PROJECT TITLE Upgrade Coal Handling System-Building 209		5.PROJECT NUMBER 33

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(b) Percent Complete As Of January 1986	90
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	JAN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	23
(b) All Other Design Costs	
(c) Total Cost	23
(d) Contract	23
(e) In-house	0

(4) Construction Start .... JAN 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Kansas Army Ammunition Plant, Kansas	4.PROJECT TITLE Emergency Lighting & Power for 300 Line

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 812	7.PROJECT NUMBER 34	8.PROJECT COST ($000) Auth 410 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				290
Diesel Generator Set	LS	-	-	(210)
Distribution Switchgear	LS	-	-	(10)
Automatic Transfer Switches	LS	-	-	(20)
Emergency Lighting	LS	-	-	(11)
Conduit/Wire/Grounding	LS	-	-	(39)
Supporting Facilities				60
Electric Service	LS	-	-	(30)
Site Improvement	LS	-	-	(30)
Subtotal				350
Contingency (10.00%)				35
Total Contract Cost				385
Supervision, Inspection & Overhead (5.50%)				21
Total Request				406
Total Request (Rounded)				410
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Furnish and install emergency lighting and power systems for Load Line-300. Work includes diesel powered generator set in weatherproof enclosure, distribution and auto-transfer switches, wiring, foundation pads, diesel fuel storage, demolition and site work.

11. REQUIREMENT:

PROJECT: - Construct emergency lighting and power system for Explosive Load Line-300.

REQUIREMENT: Emergency lighting and power system is required to permit safe egress of employees and the safe removal of explosive components from production machinery when a power outage occurs.

CURRENT SITUATION: Workers must now use hand-held, battery powered lanterns and flashlights to leave the buildings when the power fails and production equipment must be cleared of explosives by hand, using flashlights to see with. The provision of electric emergency lighting will allow production workers to leave the building safely, and the provision of electrical power to selected production machinery will lessen the hazardous exposure of maintenance personnel who must remove the potentially explosive, partially loaded end-items from the production machinery.

IMPACT IF NOT PROVIDED: If this project is not provided, production workers

1. COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Kansas Army Ammunition Plant, Kansas

4. PROJECT TITLE Emergency Lighting & Power for 300 Line	5. PROJECT NUMBER 34

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

and maintenance personnel will continue to be exposed to higher than necessary risks of injury or death whenever there is an electric power outage.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
- (1) Status:
  - (a) Date Design Started .... JAN 85
  - (b) Percent Complete As Of January 1986 65
  - (c) Percent Complete As Of October 1986 100
  - (d) Date Design Complete .... MAY 86
- (2) Basis:
  - (a) Standard or Definitive Design - Yes ___ No X
  - (b) Where Design Was Most Recently Used N/A
- (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  - (a) Production of Plans and Specifications 23
  - (b) All Other Design Costs 12
  - (c) Total Cost 35
  - (d) Contract 35
  - (e) In-house 0
- (4) Construction Start .... JAN 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Lake City Army Ammunition Plant Missouri	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .93

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	0	64	0	0	0	0	0	0	66
B. END FY 91	2	0	73	0	0	0	0	0	0	75

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 3,909 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	370
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	0
F. PLANNED IN NEXT THREE YEARS....................................	17,300
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	17,670

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
841	30	CONSTRUCT 2 WATER WELLS	370	09/85	01/86
		SUBTOTAL PROJECTS $1M & LESS	370		
		TOTAL	370		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS :		
226	.50 CALIBER AMMO PROD MODERNIZATION	12,200
226	SMALL DETONATOR & PRIMER MIX	3,100
226	RELOCATE & MODERNIZE TNR PROCESS	1,700
	SUBTOTAL PROJECTS OVER $1M	17,000
226	PROD SUPPORT & EQUIPMENT REPLACEMENT	300
	SUBTOTAL PROJECTS $1M & LESS	300
	TOTAL	17,300

10. MISSION OR MAJOR FUNCTIONS:

Operate and maintain active and standby facilities to meet current and mobilization US Military requirements for manufacture of small caliber ammunition.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Lake City Army Ammunition Plant Missouri

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Lake City Army Ammunition Plant, Missouri	4.PROJECT TITLE Water Wells

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 841	7.PROJECT NUMBER 28	8.PROJECT COST ($000) Auth 370 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				289
Well, Pump & Pumphouse (2 Ea)	LS	-	-	(203)
Water Lines (8" PVC)	LS	-	-	(86)
Supporting Facilities				41
Electric Service	LS	-	-	(13)
Gravel Roadways	LS	-	-	(28)
Subtotal				330
Contingency (5.00%)				17
Total Contract Cost				347
Supervision, Inspection & Overhead (5.50%)				19
Total Request				366
Total Request (Rounded)				370
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Drill and construct two (2) gravel-packed wells within plant property complete with access roads, permanent well houses, and connection to existing water collection system. Install two additional water filters complete with piping and control equipment at the existing water treatment plant.

11. REQUIREMENT:

PROJECT: Construct two (2) water wells complete with connecting pipelines and necessary appurtenances.

REQUIREMENT: This project is required to ensure an adequate supply of process water for the plant's increasing production requirements, and to reduce the high pumping rates on the existing water well supply system.

CURRENT SITUATION: The present ammunition production process water requirements are now being met by using high pumping rates, by rotating the pumping of the existing ten (10) wells, and by increasing the frequency of cleaning of the wells. The wells become encrusted because of the high pumping rates which reduces their production capacity by as much as 80-85 percent. This requires frequent back-washings to maintain well productivity. After back-washing, the productivity of the wells is adequate, but only for a short period of time, as the quantity of water output decreases rapidly and

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Lake City Army Ammunition Plant, Missouri		
4. PROJECT TITLE Water Wells		5. PROJECT NUMBER 28

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
additional cleaning of the wells is required.

IMPACT IF NOT PROVIDED: If this project is not provided to allow lowering of the water pumping rates, the plant may not be able to produce adequate process water to meet increased production requirements. The rapid deterioration of the existing wells will continue because of the present high pumping rates and could result in complete failure of the wells.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	SEP 85
(b) Percent Complete As Of January 1986	65
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	JAN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	20
(b) All Other Design Costs	10
(c) Total Cost	30
(d) Contract	23
(e) In-house	7

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Milan Army Ammunition Plant Tennessee	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX .98

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2	0	53	0	0	0	0	0	0	55
B. END FY 91	2	0	66	0	0	0	0	0	2	70

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 22,541 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	69,761
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	610
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	400
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	70,771

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
422	41	AMMO STOR MAGS LINE B	610	09/84	02/86
		SUBTOTAL PROJECTS $1M & LESS	610		
		TOTAL	610		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE	
B.	PLANNED NEXT THREE PROGRAM YEARS :	
226	PROD SUPPORT Z7 EQUIPMENT REPLACEMEN	400
	SUBTOTAL PROJECTS $1M & LESS	400
	TOTAL	400

10. MISSION OR MAJOR FUNCTIONS:

Load assemble and pack mortar and tank ammunition, artillery, fuzes, and air sub munitions.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Milan Army Ammunition Plant, Tennessee	4.PROJECT TITLE Ammunition Storage Magazines for Line-B

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 422	7.PROJECT NUMBER 41	8.PROJECT COST ($000) Auth 610 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				401
Ammo Storage Magazine w/Dock	SF	3,460	70.58	(244)
Enclosed Walkway	LS	-	-	(157)
Supporting Facilities				145
Electric Service	LS	-	-	(4)
Paving, Walks, Curbs & Gutters	LS	-	-	(17)
Storm Drainage	LS	-	-	(31)
Site Improvement	LS	-	-	(86)
Demolition	LS	-	-	(7)
Subtotal				546
Contingency (5.00%)				27
Total Contract Cost				573
Supervision, Inspection & Overhead (5.50%)				32
Total Request				605
Total Request (Rounded)				610
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct two (2) steel arch-type, earth-covered, explosive storage magazines with capacity to store 10,000 pounds of Class 1.1 explosive, or explosive loaded 40mm projectiles. Each magazine to have loading dock and access road. Construct 10-foot wide enclosed ramp from loading dock to existing ramp east of Building B-4. Heating, lighting and lighting protection is required. Demolish two (2) buildings (700 SF).

11. REQUIREMENT:

PROJECT: Construct two (2) ammunition storage magazines.

REQUIREMENT: This project is required to provide additional storage space for Composition A-5 Explosive and for storage of loaded 40mm projectiles.

CURRENT SITUATION: Composition A-5 bulk explosive and loaded 40mm projectiles must now be stored in a portion of production building B-4, which was designed as a press/pelleting facility. Using a portion of B-4 as a storage area creates crowded conditions and takes up space required for press loading operations.

IMPACT IF NOT PROVIDED: If this project is not provided, the press loading operations cannot be expanded to satisfy production demand and hazardous overcrowding of Building B-4 will continue.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Milan Army Ammunition Plant, Tennessee

4. PROJECT TITLE Ammunition Storage Magazines for Line-B	5. PROJECT NUMBER 41

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... SEP 84
- (b) Percent Complete As Of January 1986 95
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... FEB 86

(2) Basis:
- (a) Standard or Definitive Design - Yes X No ___
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 30
- (b) All Other Design Costs 24
- (c) Total Cost 54
- (d) Contract 41
- (e) In-house 13

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Radford Army Ammunition Plant Virginia	4. COMMAND US ARMY MATERIEL COMMAND	5. AREA CONSTRUCTION COST INDEX 1.02

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	3	0	71	0	0	0	6	3	170	260
B. END FY 91	2	0	71	0	0	0	6	3	150	240

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	97 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	830
C. AUTHORIZATION NOT YET IN INVENTORY	5
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	19,750
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	1,500
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	22,000

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
813	97	ELECT POWER CTR UPGRADE	9,200	08/79	06/86
832	96	STMLINE TO HORSESHOE AREA	8,700	08/79	06/86
226	99	REPL EXPLN PROT BARRICADES	1,100	01/85	03/86
		SUBTOTAL PROJECTS OVER $1M	19,000		
226	98	EXPAND 155MM STICK PROD	750	01/86	05/86
		SUBTOTAL PROJECTS $1M & LESS	750		
		TOTAL	19,750		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE	
B.	PLANNED NEXT THREE PROGRAM YEARS :	
226	PROD SUPPORT & EQUIPMENT REPLACEMENT	1,500
	SUBTOTAL PROJECTS OVER $1M	1,500
	TOTAL	1,500

10. MISSION OR MAJOR FUNCTIONS:

PRODUCTION OF PROPELLANTS AND EXPLOSIVES.

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Radford Army Ammunition Plant Virginia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia	4.PROJECT TITLE Steam Supply Line to Horseshoe Area

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 822	7.PROJECT NUMBER 96	8.PROJECT COST ($000) Auth 8,700 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,888
Steam Supply Piping & Insulation	LS	-	-	(2,984)
Pipe Supports, Rollers, Anchors	LS	-	-	(1,575)
Mechanical Equipment	LS	-	-	(241)
Utility Bridge Across New River	LS	-	-	(1,792)
Pump House	LS	-	-	(114)
See Cost Estimates (Continued)				(182)
Supporting Facilities				973
Electric Service	LS	-	-	(372)
Water, Sewer & Gas	LS	-	-	(7)
Paving, Walks, Curbs & Gutters	LS	-	-	(494)
Storm Drainage	LS	-	-	(52)
Site Improvement	LS	-	-	(48)
Subtotal				7,861
Contingency (5.00%)				393
Total Contract Cost				8,254
Supervision Inspection & Overhead (5.50%)				454
Total Request				8,708
Total Request (Rounded)				8,700
Installed Equipment - Other Appropriations				(1,300)

10.Description of Proposed Construction Construct a steam supply tie-line with condensate return from Powerhouse No.1 to the Horseshoe Area steam distribution system. Work includes a pressure reducing station, a desuperheater and supporting equipment, a steel cable suspension bridge to carry the steam line across the New River and the necessary appurtenances and utilities to support the tie-line installation.

11. REQUIREMENT:

PROJECT: Construct a steam supply line.

REQUIREMENT: A steam supply line is needed to connect Powerhouse No.1 in the main plant area to the steam distribution system in the Horseshoe Area to satisfy the present and projected peacetime steam requirements for that area.

CURRENT SITUATION: At the present time, steam for the Horseshoe Area is produced by that area's steam generating plant (Powerhouse No.2). The present steam demand of 172,000 pounds of steam per hour (pph) exceeds the allowable Powerhouse No.2 output of 150,000 pph. Additionally, two new facilities are under construction in the Horseshoe Area; (1) the continuous automated multi-base explosive production line, and (2) the nitroglycerine-2 modernization. These facilities will also require process steam and thus increase the Horseshoe Area steam deficiency. Powerhouse No.1 in the main

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia		
4.PROJECT TITLE Steam Supply Line to Horseshoe Area		5.PROJECT NUMBER 96

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Instrumentation	LS	-	-	182
			Total	182

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

plant area has adequate steam producing capacity to provide steam for the entire plant during peacetime and the proposed supply line will make that capacity available to the Horseshoe Area and permit the shutdown and layaway of Powerhouse No.2. In the event of mobilization, or if peacetime total plant steam demand exceeds the 850,000 pph capacity of Powerhouse No.1, one or more of the six (6) boilers in Powerhouse No.2 would have to be brought back on-line to generate steam.

IMPACT IF NOT PROVIDED: If this project is not provided, this plant will be unable to meet the increase in steam demands of the Horseshoe Area, additional boiler capacity will have to be constructed at Powerhouse No.2, and the significant cost avoidance in annual costs of operation cannot be realized.

ADDITIONAL: An economic study has been made of the cost of this project versus the cost of installing additional boiler capacity at Powerhouse No.2 and the proposed supply line construction came out ahead with annual operating costs lower by more than $3,250.00.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....AUG 79

(b) Percent Complete As Of January 1986 90

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 408

(b) All Other Design Costs 197

(c) Total Cost 605

(d) Contract 408

(e) In-house 197

(4) Construction Start .... JAN 87
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia		
4.PROJECT TITLE Steam Supply Line to Horseshoe Area		5.PROJECT NUMBER 96

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	PAA	87	1300
		TOTAL	1,300

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia	4.PROJECT TITLE Electric Power Center Upgrade	

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 813	7.PROJECT NUMBER 97	8.PROJECT COST ($000) Auth 9,200 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				8,290
Arch/Structural Alterations	LS	-	-	(602)
Plumbing System	LS	-	-	(30)
Heat/Ventilation/Air Cond Sys	LS	-	-	(71)
Building Lighting/Electrical	LS	-	-	(143)
2.4 KV Switchgear	LS	-	-	(2,821)
See Cost Estimates (Continued)				(4,623)
Supporting Facilities				27
Site Work & Utilities	LS	-	-	(27)
Subtotal				8,317
Contingency (5.00%)				416
Total Contract Cost				8,733
Supervision, Inspection & Overhead (5.50%)				480
Total Request				9,213
Total Request (Rounded)				9,200
Installed Equipment - Other Appropriations				(200)

10.Description of Proposed Construction Upgrade plant electrical power center to include: new circuit breaker panels for control center, for turbine-generator output circuits, for 2.4/69KV transformer circuits and for powerhouse auxiliary circuits; new exciters and voltage regulator systems for turbine-generators; KWH meters for all circuits; arch/structural alterations; upgrade of building utility systems; construction of control room for supervising/monitoring/controlling electric power generation and distribution at the center and the 69 KV loop substations.

11. REQUIREMENT:

PROJECT: Upgrade the main plant electric power center at Powerhouse No. 1.

REQUIREMENT: This project is required to replace aged, obsolete electric power control and distribution equipment to insure power reliability and eliminate safety hazards to operating personnel. Ammunition production is totally dependent upon the proper operation of the power center. The facility was constructed 45 years ago and the oil circuit breakers, switchgear and controls have outlived their useful life and need to be replaced with safe, reliable systems.

CURRENT SITUATION: Replacement parts are no longer available for the aged circuit breaker panels and in the past the manufacturer has declined to make

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia		
4.PROJECT TITLE Electric Power Center Upgrade		5.PROJECT NUMBER 97

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Tie-Line Demand Control	LS	-	-	144
Relocate 69 KV Relays	LS	-	-	251
2.4 KV Auxiliary Switchgear	LS	-	-	482
Cables for 2.4 KV Controls	LS	-	-	2,241
Loop Station Controls	LS	-	-	191
Temporary Power Source	LS	-	-	104
*SCADA Equipment	LS	-	-	1,077
*SCADA Installation, Powerhouse	LS	-	-	97
*SCADA Install'n, Loop Stations	LS	-	-	36
			Total	4,623

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

repairs. When repairs are needed, they are being done by used switchgear dealers and special shops which results in long lead times and costly repairs. The same is true for the power monitoring and the generator excitation equipment. Diligent maintenance, cleaning and functional checking is being done but cannot overcome the unreliability and the hazards of the old and failing equipment.

IMPACT IF NOT PROVIDED: If this project is not provided, the main power center must continue to operate the existing unreliable equipment and the hazards to operating personnel will continue. Failure of the equipment and the resulting loss of power would cause loss of steam production which would in turn cause loss of production of propellants and explosives. Loss of, or severe damage to the powerhouse electrical center would disable the plant for an estimated two (2) months for makeshift repairs and two years for permanent repair.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... AUG 79
(b) Percent Complete As Of January 1986 90
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used NA

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 408

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia		
4. PROJECT TITLE Electric Power Center Upgrade		5. PROJECT NUMBER 97

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued)

	($000)
(b) All Other Design Costs	197
(c) Total Cost	605
(d) Contract	408
(e) In-house	197

(4) Construction Start .... JAN 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	PAA		200
		TOTAL	200

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 85

3.INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia	4.PROJECT TITLE Expand 155MM Stick Propellant Production

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 226	7.PROJECT NUMBER 98	8.PROJECT COST ($000) Auth 750 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				473
Alterations, Building 3613	LS	-	-	(314)
Alterations, Building 3722	LS	-	-	(159)
Supporting Facilities				171
Electric Service	LS	-	-	(6)
Water, Sewer & Gas	LS	-	-	(108)
Demolition and Removals	LS	-	-	(57)
Subtotal				644
Contingency (10.00%)				64
Total Contract Cost				708
Supervision, Inspection & Overhead (5.50%)				39
Total Request				747
Total Request (Rounded)				750
Installed Equipment - Other Appropriations				(2,350)

10.Description of Proposed Construction Work includes architectural and structural alterations to explosive production buildings, improvements to building mechanical, electrical and fire protection systems, and utilities and electrical services.

11. REQUIREMENT:

PROJECT: Alter existing buildings to provide expanded stick propellant production capacity.

REQUIREMENT: This project is required to provide additional production capability to effect a 225,000 pound per month output of solvent stick propellant.

CURRENT SITUATION: The present batch process for long stick granulations involves coning the propellant from the press, cutting, boarding the strands, drying, sawing, redrying, sorting and packing the finished propellant. These operations are manual with high operator exposure, high cost (labor intensive), require excessive transportation across the plant, and are not conducive to a high quality, uniform product without the addition of costly quality controls. This project will add two additional automated stick propellant systems to the 12-inch presses in Building 3613 that will automatically cut the sticks for length at the press and tray the sticks for

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia		
4. PROJECT TITLE Expand 155MM Stick Propellant Production		5. PROJECT NUMBER 98

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
drying, thus eliminating sawing and subsequent redrying.

IMPACT IF NOT PROVIDED: If this project is not provided, Radford AAP will be unable to meet the production requirements for 155mm solvent stick propellant and production workers will continue to be exposed to the higher than necessary risks of personal injury inherent in batch process operations.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	JAN 86
(b) Percent Complete As Of January 1986	0
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	44
(b) All Other Design Costs	12
(c) Total Cost	56
(d) Contract	52
(e) In-house	4

(4) Construction Start .... JAN 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Propellant Prod.Eq	PAA	87	2350
		TOTAL	2,350

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia	4.PROJECT TITLE Replace Explosion Protection Barricades

5.PROGRAM ELEMENT 78011A	6.CATEGORY CODE 226	7.PROJECT NUMBER 99	8.PROJECT COST ($000) Auth 1,100 Approp 0

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				894
Barricade Construction (7)	LS	-	-	(781)
Electrical Work	LS	-	-	(34)
Mechanical Work	LS	-	-	(60)
Sprinkler Systems	LS	-	-	(19)
Supporting Facilities				76
Demolition	LS		-	(76)
Subtotal				970
Contingency (5.00%)				49
Total Contract Cost				1,019
Supervision, Inspection & Overhead (5.50%)				56
Total Request				1,075
Total Request (Rounded)				1,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Remove and replace barricades at seven active propellant production buildings. Work includes removal and reinstallation of utilities, process piping, and duct work attached to or passing through the barricades and removal and replacement of attached roofs, floor structures, escape chutes and support framings, the upgrade of electrical wiring and lighting and the diversion of surface drainage away from the barricade foundations.

11. REQUIREMENT:

PROJECT: Replacement of two (2) double-revetted and five (5) single-revetted wooden, earth filled explosion protection barricades.

REQUIREMENT: This project is required to provide adequate, safe, explosion protection barricades to enable the plant to operate within existing intraline explosive quantity-distances.

CURRENT SITUATION: Most of the barricades at this plant were constructed in 1940-41 and for some time now it has been necessary to do extensive repair work each year to keep them in a structurally safe and sound condition. Because of the accelerating rate of deterioration, repair can no longer keep pace with requirements. Radford has 240 barricades at explosive production buildings that are required to maintain current and mobilization production

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		14 FEB 86
3. INSTALLATION AND LOCATION Radford Army Ammunition Plant, Virginia		
4. PROJECT TITLE Replace Explosion Protection Barricades		5. PROJECT NUMBER 99

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

schedules. Of this number, 142 can be maintained in satisfactory condition for the next 20 years. This project is the eighth increment of an annual barricade replacement program.

IMPACT IF NOT PROVIDED: Without adequate barricades, Radford AAP will not be able to operate within existing explosive-quantity-distances requirements.

ADDITIONAL: Explosion protection barricades protect workers, buildings and production equipment and prevent blast propagation to other explosive production buildings in the event of mishap.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JAN 85
(b) Percent Complete As Of January 1986 95
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 66
(b) All Other Design Costs 7
(c) Total Cost 73
(d) Contract 7
(e) In-house 66

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
FORSCOM

INSTALLATION PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Forces Command						
Fort Bragg, NC						143
314	Special Forces Mission Support Facility			6,500	6,500	145
380	Flight Simulator Building			1,300	1,300	148
464	Operations Complex Phase II			5,200	5,200	150
466	Tactical Equipment Shop			8,200	8,200	153
473	Range Complex			1,050	1,050	156
479	Aerial Gunnery Range			2,350	2,350	158
	SUBTOTAL FOR Fort Bragg		$	24,600	24,600	
Fort Campbell, KY						161
380	Vehicle Wash Facility			4,500	4,500	163
364	Aircraft Maintenance Hangar			16,500	16,500	166
383	Fuel Pumping Station	(SEE $1.0 M)		240	240	728
	SUBTOTAL FOR Fort Campbell		$	21,240	21,240	
Fort Carson, CO						169
394	Range Roads Phase III			3,500	3,500	171
405	Vehicle Washrack	(SEE POLLUTION)		7,800	7,800	699
	SUBTOTAL FOR Fort Carson		$	11,300	11,300	
Camp Dawson, WV						173
1	Student Training Facility			8,700	8,700	175
	SUBTOTAL FOR Camp Dawson		$	8,700	8,700	
Fort Devens, MA						177
197	Academic Instruction Facility			6,800	6,800	179
198	Academic Instruction Facility			9,500	9,500	182
204	Barracks Modernization			4,500	4,500	185
	SUBTOTAL FOR Fort Devens		$	20,800	20,800	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
FORSCOM

INSTALLATION

PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
	US Army Forces Command (Cont.)					
	Fort Drum, NY					187
1000	10th Mountain Division Facilities			615,000	232,000	189
	SUBTOTAL FOR Fort Drum		$	615,000	232,000	
	Fort Hood, TX					195
503	Range Modernizations			0	4,500	197
522	Academic Instruction Facility			2,750	2,750	200
527	Vehicle Wash Facility			10,600	10,600	202
	SUBTOTAL FOR Fort Hood		$	13,350	17,850	
	Fort Sam Houston, TX					205
127	Child Development Center			2,900	2,900	207
147	Water Storage Tank	(SEE $1.0 M)		800	800	738
	SUBTOTAL FOR Fort Sam Houston		$	3,700	3,700	
	Fort Irwin, CA					209
206	Troop Staging Area	(SEE $1.0 M)		820	820	710
207	General Purpose Warehouse			2,050	2,050	211
	SUBTOTAL FOR Fort Irwin		$	2,870	2,870	
	Fort Lewis, WA					213
313	Fire Protection System	(SEE $1.0 M)		400	400	739
460	Refuse Incinerator Plant			13,000	13,000	215
541	Landfill Upgrade			7,500	7,500	218
552	COMSEC Maintenance Facility	(SEE $1.0 M)		600	600	739
553	Tactical Equipment Shop			4,400	4,400	221
	SUBTOTAL FOR Fort Lewis		$	25,900	25,900	
	Fort McPherson, GA					225
73	Operations Facility			2,900	2,900	227
	SUBTOTAL FOR Fort McPherson		$	2,900	2,900	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
FORSCOM

INSTALLATION PN	PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Forces Command (Cont.)				
Fort Ord, CA				229
366	Physical Fitness Training Center	4,450	4,450	231
379	Flight Simulator Building	2,100	2,100	233
	SUBTOTAL FOR Fort Ord	$ 6,550	6,550	
Fort Polk, LA				235
259	Multi Purpose Range Complex	27,000	27,000	237
	SUBTOTAL FOR Fort Polk	$ 27,000	27,000	
Fort Richardson, AK				241
289	Barracks Modernization	11,200	11,200	243
	SUBTOTAL FOR Fort Richardson	$ 11,200	11,200	
Fort Riley, KS				245
339	Child Development Center	4,250	4,250	247
403	Barracks Modernization	6,100	6,100	249
405	Primary Water Supply Connection	2,150	2,150	251
	SUBTOTAL FOR Fort Riley	$ 12,500	12,500	
Presidio of San Francisco, CA				255
124	Barracks	5,100	5,100	257
	SUBTOTAL FOR Presidio of San Francisco	$ 5,100	5,100	
Fort Sheridan, IL				259
154	Barracks	2,050	2,050	261
	SUBTOTAL FOR Fort Sheridan	$ 2,050	2,050	
Fort Stewart, GA				263
	Fort Stewart			
314	Flight Simulator Building	1,550	1,550	265
	SUBTOTAL FOR Fort Stewart	$ 1,550	1,550	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
FORSCOM

INSTALLATION PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Forces Command (Cont.)					
Fort Wainwright, AK					267
176	Child Development Center		11,000	11,000	269
177	Utilities Expansion		31,000	31,000	271
178	Tactical Equipment Shop		30,000	30,000	273
181	Dining Facilities		16,500	16,500	275
182	Barracks Modernization		21,000	21,000	277
183	Tactical Equipment Shop		9,900	9,900	279
184	Tactical Equipment Shop		7,300	7,300	281
	SUBTOTAL FOR Fort Wainwright	$	126,700	126,700	
	*TOTAL US Army Forces Command	$	943,090	564,590	

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROGRAM

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
Fort Bragg
North Carolina

4. COMMAND
US ARMY FORCES COMMAND

5. AREA CONSTRUCTION COST INDEX
.76

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	5413	37405	4814	313	572	0	29	37	0	48,483
B. END FY 91	5501	37233	4539	641	1763	0	5	26	46	49,754

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 135,883 AC
B. INVENTORY TOTAL AS OF 30 SEP 85 504,401
C. AUTHORIZATION NOT YET IN INVENTORY 0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 24,600
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 123,627
F. PLANNED IN NEXT THREE YEARS 166,899
G. REMAINING DEFICIENCY 0
H. GRAND TOTAL 819,527

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	314	SPEC FORCS MISSION SPT FAC	6,500	06/85	05/86
171	388	FLIGHT SIMULATOR BUILDING	1,300	03/83	11/84
214	466	TACT EQUIP SHOP SOCOM	8,200	05/85	06/86
141	464	OPERATIONS CPLX PH 3 SOCOM	5,200	03/85	06/86
179	473	MG/TRANS/10M ZERO RNGE	1,050	05/85	03/86
179	479	AERIAL GUNNERY RANGE	2,350	05/85	05/86
		SUBTOTAL PROJECTS OVER $1M	24,600		
		TOTAL	24,600		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
171	ACADEMIC FAC	15,057
141	BN HQ & CLASSROOM MLRS	1,500
721	BARRACKS W/AS	5,889
723	COMPANY OPER & SUPPLY(2)	1,900
721	BARRACKS W/ADMIN & SUP	3,197
141	HDQTRS 1ST SOCOM	13,505
141	OPERATIONS COMPLEX SOCOM	5,390
214	AVN TACT EQUIP SHOP (3)	6,725
211	AVN MAINT HGR (3)	44,109
723	CO ADMIN & SUPPLY (15)	4,189
141	AVN BRC HQ COMPLEX	7,582
179	TANK GUN W/MOV TARGET	2,675
141	PARACHUTE RIG FAC UPGRADE	1,100
214	TACT EQUIP SHOP SOCOM	4,816
442	REPL BURNED GEN PURP WHSE	3,592
	SUBTOTAL PROJECTS OVER $1M	121,226

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Bragg North Carolina

9. FUTURE PROJECTS: (...CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
179	AUTO MARKSMAN RANGE	611
179	INF PLTN BATTLE COURSE	830
171	FREE FALL SIMUL FAC	960
	SUBTOTAL PROJECTS $1M & LESS	2,401
	TOTAL	123,627

10. MISSION OR MAJOR FUNCTIONS:

Headquarters, XVIII Airborne Corps & Ft Bragg is responsible for training, support and tactical deployment of the 82d Airborne Division and major non divisional combat and combat support units. The installation provides logistical support to the USA John F. Kennedy Special Warfare Center, 1st Special Operations Command, Womack Army Community Hospital, USAISC Bragg, and other tenant activities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	500
B. WATER POLLUTION	5,500
C. OCCUPATIONAL SAFETY AND HEALTH	15,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Bragg, North Carolina	4. PROJECT TITLE Special Forces Mission Support Facility

5. PROGRAM ELEMENT 22683A	6. CATEGORY CODE 171	7. PROJECT NUMBER 314	8. PROJECT COST ($000) Auth 6,500 Approp 6,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,071
Classroom Type A (1 EA)	SF	5,400	40.46	(218)
Mess Hall Type B (1 EA)	SF	7,000	139.01	(973)
Billet Type C (12 EA)	SF	28,800	42.87	(1,235)
Classroom Type D (2 EA)	SF	4,800	37.20	(179)
Isolation Type E (12 EA)	SF	21,600	54.51	(1,177)
See Cost Estimates (Continued)				(1,289)
Supporting Facilities				837
Electric Service	LS	-	-	(52)
Water, Sewer & Gas	LS	-	-	(174)
Paving, Walks, Curbs & Gutters	LS	-	-	(167)
Storm Drainage	LS	-	-	(22)
Site Improvement (100) Demolition (130)	LS	-	-	(230)
Communication	LS	-	-	(192)
Subtotal				5,908
Contingency (5.00%)				295
Total Contract Cost				6,203
Supervision, Inspection & Overhead (5.50%)				341
Total Request				6,544
Total Request (Rounded)				6,500
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of training facilities. Buildings will be erected on concrete slabs, with all necessary site work, and electric service. Heat and air conditioning by self-contained unit. Water, sewage and communications will be provided to selected building. An arms room will be installed. As part of the project, 63,872 SF of temporary metal buildings and temporary tar paper shacks will be demolished. Air conditioning: 219 tons.

11. REQUIREMENT: 187,603 SF ADEQUATE: 88,228 SF SUBSTANDARD: 54,692 SF

PROJECT: Construct 42 insulated training buildings.

REQUIREMENT: This project is required to provide facilities for the conduct of intensive year-round unconventional warfare training at Camp Mackall. This training consists of formal classroom instruction, practical exercises, and realistic field training which can vary in duration from one to five weeks.

CURRENT SITUATION: Presently, 23 temporary metal buildings on loan from the Troop Support and Aviation Readiness Command (TSARCOM), 22 wood and tar paper shacks and two other temporary buildings, are used. The buildings are marginal at best in the spring and fall. Many lack heat and air conditioning. Due to the age and condition of these buildings, there is no safe method to install heat without creating an extreme fire hazard. Due to the current training load, many buildings never intended for winter use are now used in

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4.PROJECT TITLE Special Forces Mission Support Facility		5.PROJECT NUMBER 314

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Admin Building Type F (1 EA)	SF	1,800	59.07	106
Comm. Building Type G (1 EA)	SF	1,800	59.84	108
Storage Building Type H (1 EA)	SF	1,800	34.89	63
Medical Clinic Type J (1 EA)	SF	1,800	76.87	138
Admin/Storage Type K (6 EA)	SF	10,800	46.96	507
Operations Building Type L (1 EA	SF	1,800	57.24	103
PX Building Type M (1 EA)	SF	900	63.30	57
New Admin. Type N (2 EA)	SF	3,600	57.39	207
			Total	1,289

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued) the winter months. This applies to classroom, barracks, and support buildings. In summary, classrooms are cramped, barracks inadequate, and support facilities extremely primitive. Because of these conditions a considerable portion of the training activities have been moved to the main Fort Bragg cantonment. While there is room for the students on the main post, meaningful instruction for some phases is impossible or is conducted in unrealistic surroundings.

IMPACT IF NOT PROVIDED: If this project is not provided, the obsolete and deteriorated facilities at Camp Mackall will continue to be used to the detriment of the Special Forces candidates, and at very high cost. Training loads are expected to increase. Without proper facilities, Camp Mackall will not be able to support sufficient numbers to maintain the present or fill newly-created Special Forces Groups.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUN 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 208
(b) All Other Design Costs 100
(c) Total Cost 308

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Special Forces Mission Support Facility		5. PROJECT NUMBER 314

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued) ($000)

(d) Contract 238

(e) In-house 70

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Bragg, North Carolina	4. PROJECT TITLE Flight Simulator Building

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 171	7. PROJECT NUMBER 388	8. PROJECT COST ($000) Auth 1,300 Approp 1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,053
Simulator Building	SF	12,845	82.00	(1,053)
Supporting Facilities				142
Electric Service	LS	-	-	(49)
Water, Sewer & Gas	LS	-	-	(12)
Paving, Walks, Curbs & Gutters	LS	-	-	(34)
Storm Drainage	LS	-	-	(4)
Site Improvement	LS	-	-	(29)
Communication	LS	-	-	(14)
Subtotal				1,195
Contingency (5.00%)				60
Total Contract Cost				1,255
Supervision, Inspection & Overhead (5.50%)				69
Total Request				1,324
Total Request (Rounded)				1,300
Installed Equipment - Other Appropriations				(23,480)

10. Description of Proposed Construction Construction of a flight simulator building to include all required utilities, paving, fire protection system, fuel oil storage, storm drainage, communications, and site improvements. Heating and cooling to be provided by self-contained system. Accessibility for the handicapped will be provided. Air Conditioning - 180 tons.

11. REQUIREMENT: 57,902 SF ADEQUATE: 7,002 SF SUBSTANDARD: None

PROJECT: Construct a flight simulator building.

REQUIREMENT: This project is required to provide a permanent facility to house the Synthetic Flight Training System (SFTS) for the UH-60 (Blackhawk) helicopter. This simulator is expected to arrive in January, 1988.

CURRENT SITUATION: Flight training requirements for the UH-60 are currently met through use of the actual aircraft. This exposes instructors and pilots to significant safety hazards daily, contributes to high fuel consumption, increases aircraft wear and necessitates costly maintenance. The existing flight simulator facility, which will not accommodate the size/load of the UH-60 SFTS, will be retained to satisfy the UH-1 training mission. There are no other facilities available to support the UH-60 mission requirements.

IMPACT IF NOT PROVIDED: Lack of the UH-60 SFTS will perpetuate costly in-flight training, jeopardize safety of instructors and student pilots and

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4.PROJECT TITLE Flight Simulator Building		5.PROJECT NUMBER 388

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
adversely affect readiness capability of Army Aviators.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....Mar 83
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....Nov 84

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 163
(b) All Other Design Costs 104
(c) Total Cost 267
(d) Contract 187
(e) In-house 80

(4) Construction Start .... Mar 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Flight Sim., UH-60	ACFT	88	23480
		TOTAL	23,480

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Bragg, North Carolina	4.PROJECT TITLE Operations Complex Phase II

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 141	7.PROJECT NUMBER 464	8.PROJECT COST ($000) Auth 5,200 Approp 5,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,897
Company Operations Bldgs (2 Ea)	SF	42,548	52.43	(2,231)
Administration and Supply	SF	27,615	44.50	(1,229)
Operations Service Building	SF	6,600	66.20	(437)
Supporting Facilities				841
Electric Service	LS	-	-	(63)
Water, Sewer & Gas	LS	-	-	(41)
Steam, Chilled Water & Heat Distribution	LS	-	-	(75)
Paving, Walks, Curbs & Gutters	LS	-	-	(219)
Storm Drainage	LS	-	-	(88)
Site Improvement (205) Demolition (23)	LS	-	-	(228)
Communication	LS	-	-	(127)
Subtotal				4,738
Contingency (5.00%)				237
Total Contract Cost				4,975
Supervision, Inspection & Overhead (5.50%)				274
Total Request				5,249
Total Request (Rounded)				5,200
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of three (3) company operational facilities, and a company administration and supply facility. Heating and air conditioning are to be provided by a gas-fired and oil standby central energy and chiller plant. Heating plant, utilities, communications and access road will be provided by LI 468, FY 86, SOCOM barracks project. This project will include all lateral utility connections, site improvements, new roads, parking, secure arms storage and intrusion alarms. This project will result in the disposal of 6,608 SF of existing facilities. Air conditioning: 223 tons.

11. REQUIREMENT: 108,502 SF ADEQUATE: 7,817 SF SUBSTANDARD: 32,182 SF

PROJECT: Construct a company operations complex consisting of two Special Forces company operations buildings, one company administration and supply building, and one company operations building.

REQUIREMENT: This project is required to provide a portion of the permanent facility requirements for the 7th Special Forces Group. The building space requirements are based on two battalions with three line companies each and four support companies. Because of Fort Bragg's substantial shortage of permanent space, the heavy reliance on temporary facilities to accomplish the

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Fort Bragg, North Carolina

4. PROJECT TITLE Operations Complex Phase II	5. PROJECT NUMBER 464

11. REQUIREMENT: (Continued)
REQUIREMENT: (Continued)
existing mission and the scheduled demolition of 400,000 SF of wooden World War II buildings, the proposed growth of 1st Special Operations Command (SOCOM) and John F> Kennedy Special Warfare Center (JFKSWC) cannot be absorbed without substantial new construction.
CURRENT SITUATION: The existing missions of both 1st SOCOM and JFKSWC are not being met adequately. Almost all of the assets are temporary-type World War II mobilization structures. Most of the company administration is housed in diverted barracks that have not been converted for administrative use, and have received only marginal improvements. These facilities are a severe drain on Fort Bragg's civilian labor resources and require a substantial portion of Operation and Maintenance, Army dollars for repair and energy costs.
IMPACT IF NOT PROVIDED: If this project is not provided, 1st SOCOM and its training counterpart JFKSWC will not have the facilities to successfully accomplish their existing and expanded missions and will be forced to lease facilities or forego authorized mission increases altogether. Current assets will remain scattered all over the Fort Bragg cantonment. First SOCOM and JFKSWC will continue to occupy temporary-type World War II structures. Support of Reserves, National Guard, and ROTC will be the first missions degraded if additional facilities are not provided for the 1st SOCOM expansion.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... MAR 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 60
(d) Date Design Complete .... JUN 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Fort Lewis

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 300
(b) All Other Design Costs 360
(c) Total Cost 660
(d) Contract 0
(e) In-house 660

(4) Construction Start .... APR 87
month & year

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Operations Complex Phase II		5. PROJECT NUMBER 464

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Bragg, North Carolina	4. PROJECT TITLE Tactical Equipment Shop

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 214	7. PROJECT NUMBER 466	8. PROJECT COST ($000) Auth 8,200 Approp 8,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,597
Shop Bldg 7th	SF	15,908	67.26	(1,070)
Shop Bldg HHC, 4th, 96th	SF	27,505	66.16	(1,820)
Deployment Stg Bldgs	SF	14,000	16.35	(229)
Dispatch/Sentry Bldg (2)	SF	240	69.66	(17)
Parachute Rigging Facility	SF	8,932	68.43	(611)
See Cost Estimates (Continued)				(1,850)
Supporting Facilities				1,761
Electric Service	LS	-	-	(218)
Water, Sewer & Gas	LS	-	-	(262)
Paving, Walks, Curbs & Gutters	LS	-	-	(144)
Storm Drainage	LS	-	-	(79)
Site Improvement	LS	-	-	(970)
Communication	LS	-	-	(33)
Oil Water Separator w/Tanks	LS	-	-	(55)
Subtotal				7,358
Contingency (5.00%)				368
Total Contract Cost				7,726
Supervision, Inspection & Overhead (5.50%)				425
Total Request				8,151
Total Request (Rounded)				8,200
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct two (2) tactical equipment shops to include electrically operated roll-up doors, vehicle exhaust ventilation, compressed air systems, deployment storage buildings, oil houses, fuel dispensing facilities, scheduled maintenance facilities, and dispatch offices. Other facilities include the parachute rigging facility and the signal and amphibious operations facilities. The project includes flexible pavement, utilities, communications, fire protection and alarm systems, storm drainage, security lighting, fencing and site improvements. Heat and air conditioning by self-contained unit. Air conditioning: 12 tons.

11. REQUIREMENT: 1,020,341 SF ADEQUATE: 216,758 SF SUBSTANDARD: 383,474 SF

PROJECT: Construct a tactical equipment maintenance complex.

REQUIREMENT: This project is required to provide permanent tactical vehicle maintenance facilities to support the unit strength adjustments of the 1st Special Operations Command (SOCOM) at Fort Bragg. More than 740 tactical wheeled vehicles will be served.

CURRENT SITUATION: The 1st SOCOM currently occupies one maintenance complex with four (4) buildings built in 1964. This complex meets the shop requirement for approximately one half of the intended unit strength adjustment. It is located within the 35th Signal Brigade maintenance area

1.COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE
ARMY		14 FEB 86

3.INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4.PROJECT TITLE	5.PROJECT NUMBER
Tactical Equipment Shop	466

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Signal Ops. Building	SF	8,473	80.51	682
Amphibious Facility	SF	8,120	65.99	536
Oil Houses (REA)	SF	560	31.93	18
Control Building	SF	120	80.85	10
Fuel Islands	LS	-	-	29
Hardstand	SY	69,846	8.23	575
			Total	1,850

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
which has only two (2) battalion maintenance shops for its four (4) battalions and needs the shop currently occupied by 1st SOCOM.

IMPACT IF NOT PROVIDED: If this project is not provided, these unit strength adjustments will receive inadequate support, which will adversely affect mission accomplishment and troop morale.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 45
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Fort Lewis

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 350
(b) All Other Design Costs 150
(c) Total Cost 500
(d) Contract 400
(e) In-house 100

(4) Construction Start .... MAR 87
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 466

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE
ARMY		14 FEB 86

3.INSTALLATION AND LOCATION	4.PROJECT TITLE
Fort Bragg, North Carolina	Range Complex

5.PROGRAM ELEMENT	6.CATEGORY CODE	7.PROJECT NUMBER	8.PROJECT COST ($000)
22611A	179	473	Auth 1,050 Approp 1,050

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				191
Control Tower	EA	1	65,723	(66)
Concurrent Training Sheds (3)	SF	2,400	15.88	(38)
Latrine	SF	192	172.00	(33)
Foxholes	EA	10	653.92	(7)
Target Emplacement	EA	80	483.12	(39)
See Cost Estimates (Continued)				(8)
Supporting Facilities				762
Electric Service	LS	-	-	(312)
Water, Sewer & Gas	LS	-	-	(61)
Paving, Walks, Curbs & Gutters	LS	-	-	(18)
Storm Drainage	LS	-	-	(4)
Site Improvement (359) Demolition (3)	LS	-	-	(362)
Communication	LS	-	-	(5)
Subtotal				953
Contingency (5.00%)				48
Total Contract Cost				1,001
Supervision, Inspection & Overhead (5.50%)				55
Total Request				1,056
Total Request (Rounded)				1,050
Installed Equipment - Other Appropriations				(826)

10.Description of Proposed Construction Construct a 10-lane, live-fire machine gun range with a pre-engineered control tower (range control station), concurrent training sheds, a target storage building, latrine, and all supporting facilities to include stationary targets, safety berms, foxholes, lane markers, utilities, service roads and site improvements. Demolish 648 SF of existing temporary facilities, 35 foxholes and 105 target mechanism bunkers. Heating and air conditioning with self-contained systems. Air conditioning: 2 tons.

11. REQUIREMENT: 16 LN ADEQUATE: 6 LN SUBSTANDARD: None

PROJECT: Construct a permanent live-fire machine gun transition range with an adjoining 10 meter zero range.

REQUIREMENT: This project is required to provide a facility which will familiarize soldiers with the characteristics of the M-60 machine gun (MG) and teach them how to engage targets at long range. This dual capability range project will provide a single facility where troops can zero their weapons at one station and move directly onto a transition range without leaving the site. This configuration of two compatible activities will conserve scarce range lands, reduce troop transportation between ranges, and save valuable training time.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Range Complex		5. PROJECT NUMBER 473

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Range Markers	EA	30	268.40	8
			Total	8

CURRENT SITUATION: The existing machine gun training facilities now operate at 100% of their capacity and are occupied in excess of the recommended days per year. This does not provide for adequate maintenance, severe weather days, or recovery periods for flora and fauna. Range maintenance must be postponed or neglected altogether for such periods that the present marginal condition of the targets and electronics is not reliable.

IMPACT IF NOT PROVIDED: If this project is not provided, overuse of the existing range will continue, resulting in deferral of necessary training, which will adversely affect the combat readiness of the rapid deploying forces.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... May 85

(b) Percent Complete As Of January 1986 90

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... Mar 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ___

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 30

(b) All Other Design Costs 57

(c) Total Cost 87

(d) Contract 62

(e) In-house 25

(4) Construction Start .... Dec 86 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TARGET MECHANISMS	DAART	87	826
		TOTAL	826

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		14 FEB 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Fort Bragg, North Carolina	Aerial Gunnery Range

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22611A	179	479	Auth 2,350 Approp 2,350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				593
Control Tower	EA	1	68,417	(68)
Rearming Pads & Maintenance Area	SY	2,000	34.16	(68)
Latrine	SF	200	110.78	(22)
AMTC Storage Building	SF	1,250	43.92	(55)
AMTC Emplacement	EA	2	131,271	(263)
See Cost Estimates (Continued)				(117)
Supporting Facilities				1,542
Electric Service	LS	-	-	(670)
Water, Sewer & Gas	LS	-	-	(25)
Paving, Walks, Curbs & Gutters	LS	-	-	(171)
Storm Drainage	LS	-	-	(78)
Site Improvement	LS	-	-	(569)
Communication	LS	-	-	(29)
Subtotal				2,135
Contingency (5.00%)				107
Total Contract Cost				2,242
Supervision, Inspection & Overhead (5.50%)				123
Total Request				2,365
Total Request (Rounded)				2,350
Installed Equipment - Other Appropriations				(815)

10. Description of Proposed Construction Construct an Aerial Gunnery Complex with control tower, latrine, rearming pads with maintenance area, armor moving targets with carriers (AMTC) and storage bunkers, stationary armor target systems with emplacements (ATS), two range control stations, utilities, roads, parking, berms, storm drainage, communications, flagpole, site improvements, and erosion control. The complex will provide 10 hover points and 10 firing lanes. Target emplacements will be hardened. Provide a maneuver area to conduct the dry-fire crew and team action table exercise. Physical control measures will be provided using specified markers to delineate the firing lanes and emergency landing areas. Air conditioning for the control tower: 2 tons. Demolish an existing temporary facility totaling 100 SF.

11. REQUIREMENT: 1 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct an aerial gunnery complex.

REQUIREMENT: This project is required to provide aviation units of the XVIII Airborne Corps, 82d Airborne Division, Joint Special Operations Command, National Guard, and Reserves with an aerial gunnery complex capable of live fire training with moving and stationary targets in varying terrain simulating realistic combat situations and to provide a facility allowing as much rotorcraft and team/unit aerial gunnery training as possible in the limited

1.COMPONENT ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Bragg, North Carolina

4.PROJECT TITLE

Aerial Gunnery Range

5.PROJECT NUMBER

479

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
ATS Emplacement	EA	24	4,069	98
Flag Pole	EA	1	1,871	2
Pump House	EA	1	16,982	17
			Total	117

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
time that the Coleman Area is unused.

CURRENT SITUATION: The existing facility, an attack helicopter firing course, is not adequate in terms of lane width, range depth, types and number of targets, or support features. Maximum use is being made of this facility within the constraints of its limited size and its location in an extremely high use training area. It functions well as an individual training course when only one or two AH-1S Cobras are conducting fire. Hot rearm and refuel are mandatory field training exercises, yet there are no pads for such training nearby. Coleman Impact/Danger Area is the primary impact area on the reservation and must accommodate tank gunnery, artillery, Air Force bombing and strafing, and various anti-aircraft and anti-tank missile training.

IMPACT IF NOT PROVIDED: If this project is not provided, the present critical lack of proficiency in aerial gunnery will continue to prevail in the high priority combat units of the 82d Airborne Division, XVIII Airborne Corps.

ADDITIONAL: The appropriation request in Block 8 reflects a cost based on awarding a single construction contract for this project with project number 473 at Fort Bragg.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....May 85
(b) Percent Complete As Of January 1986 55
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....Apr 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ___

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 77
(b) All Other Design Costs 113
(c) Total Cost 190

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Aerial Gunnery Range		5. PROJECT NUMBER 479

12. SUPPLEMENTAL DATA: (Continued)
A. Estimated Design Data: (Continued)
(3) Total Cost: (Continued) ($000)
(d) Contract 90
(e) In-house 100

(4) Construction Start .... Apr 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TARGET MECHANISMS	DAART	87	815
		TOTAL	815

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Campbell Kentucky	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .93

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2453	19682	2780	0	0	0	16	80	21	25,032
B. END FY 91	3034	20921	3351	0	32	0	38	124	208	26,708

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	104,793 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	237,125
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	21,240
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	49,362
F. PLANNED IN NEXT THREE YEARS	88,992
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	396,719

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	280	TACT VEHICLE WASH FAC (2)	4,500	01/85	00/00
211	364	HANGAR SOCOM	16,500	03/85	09/86
		SUBTOTAL PROJECTS OVER $1M	21,000		
125	383	UPGRADE ACFT DIR FUEL FAC	240	00/00	00/00
		SUBTOTAL PROJECTS $1M & LESS	240		
		TOTAL	21,240		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
740	PHYSICAL FITNESS CENTER	5,900
730	UNIT CHAPEL	1,267
211	HANGAR UH 60	13,056
211	HANGAR SOCOM	5,242
218	MAINT SHOP (DS)	13,699
179	MOUT	4,900
214	VECHICLE MAINT COMPLEX	4,868
	SUBTOTAL PROJECTS OVER $1M	48,932
800	CONV 8 HGRS RADIANT HT	430
	SUBTOTAL PROJECTS $1M & LESS	430
	TOTAL	49,362

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Campbell Kentucky

10. MISSION OR MAJOR FUNCTIONS:

Support and training of an Airborn (Air Assult) Division and other non divisional support units.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Campbell, Kentucky		4.PROJECT TITLE Vehicle Wash Facility	
5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 214	7.PROJECT NUMBER 280	8.PROJECT COST ($000) Auth 4,500 Approp 4,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,703
Wash Stands	LS	-	-	(1861)
Vehicle Bath	LS	-	-	(183)
Latrines	SF	1,130	86.60	(98)
Control Houses	SF	280	103.60	(29)
Sediment Basin	LS	-	-	(261)
See Cost Estimates (Continued)				(1,271)
Supporting Facilities				380
Electric Service	LS	-	-	(55)
Water, Sewer & Gas	LS	-	-	(221)
Paving, Walks, Curbs & Gutters	LS	-	-	(44)
Communication	LS	-	-	(60)
Subtotal				4,083
Contingency (5.00%)				204
Total Contract Cost				4,287
Supervision, Inspection & Overhead (5.50%)			-	236
Total Request				4,523
Total Request (Rounded)				4,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct two 10-lane Central Vehicle Wash Facilities (CVWF), one on the south end of the cantonment area, and one on the north end. The south facility will accommodate approximately 1700 tactical wheeled vehicles and 1000 non-tactical wheeled vehicles. No tracked vehicles will be washed at the south facility. The north facility will accommodate approximately 1700 tactical wheeled vehicles, 400 non-tactical wheeled vehicles, and 250 tracked vehicles. This project includes required utility services, roads, walks, storm drainage, wash water treatment and recycle systems, pump house, lighting, curbs and gutters, offices, fencing, and latrines. Wash water will be treated and recycled. There will be no discharge.

11. REQUIREMENT: 2 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct two centralized vehicle wash facilities.

REQUIREMENT: This project is required to clean vehicles returning from the field before they enter the cantonment area, and will prepare rapid deployment vehicles for departure in the event of mobilization. More than 2,700 tracked and wheeled vehicles are expected to be served annually.

CURRENT SITUATION: No facility of this kind currently exists at this installation. The post's expansive-type soils contain a sticky clay that

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4.PROJECT TITLE Vehicle Wash Facility		5.PROJECT NUMBER 280

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Primary Treatment Basin	LS	-	-	197
Equalization Basins	LS	-	-	152
Sand Filters	LS	-	-	383
Detention Ponds	LS	-	-	104
Dosing Tanks	LS	-	-	92
Pump Houses	SF	1,440	238.20	343
			Total	1,271

clogs oil separators and drains, and creates traffic hazards and problems with storm water drainage on cantonment streets.

IMPACT IF NOT PROVIDED: If this project is not provided, vehicles will continue to be inefficiently washed, and dirt and mud will continue to be deposited on the streets leading from the training areas, damaging the roadway and creating a hazard for other military and civilian vehicles.

ADDITIONAL: An economic analysis has been completed on this project. Based on a discounted net present value calculation this project will pay for itself within a period of 3.5 years.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAR 84

(b) Percent Complete As Of January 1986 40

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 59

(b) All Other Design Costs 25

(c) Total Cos 84

(d) Contract 69

(e) In-house 15

(4) Construction Start .... JAN 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4.PROJECT TITLE Vehicle Wash Facility		5.PROJECT NUMBER 280

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DD 1 FORM DEC 76 DD1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky	4. PROJECT TITLE Aircraft Maintenance Hangar	

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 211	7. PROJECT NUMBER 364	8. PROJECT COST ($000) Auth 16,500 Approp 16,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				11,273
UH-60 Hangar	SF	60,611	66.00	(4,000)
Hangar (CH-47)	SF	38,411	76.15	(2,925)
Hardstand	SY	135,861	32.00	(4,348)
Supporting Facilities				3,817
Electric Service	LS	-	-	(295)
Water, Sewer & Gas	LS	-	-	(987)
Paving, Walks, Curbs & Gutters	LS	-	-	(975)
Storm Drainage	LS	-	-	(105)
Site Improvement	LS	-	-	(1,139)
Communication	LS	-	-	(316)
Subtotal				15,090
Contingency (5.00%)				755
Total Contract Cost				15,845
Supervision, Inspection & Overhead (5.50%)				871
Total Request				16,716
Total Request (Rounded)				16,500
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of two (2) aircraft maintenance hangars, aircraft wash apron, and rigid concrete aircraft parking aprons, hoverlanes, taxilanes, hangar access apron upgrade of the access road and extension of utilities to the project site. Supporting facilities to include utilities, storm drainage, site preparation, parking, access roads, communications, and fire protection. Heating and air conditioning (administration) with self-contained system. Air conditioning: 37 tons.

11. REQUIREMENT: 794,753 SF ADEQUATE: 405,285 SF SUBSTANDARD: None

PROJECT: Construct aircraft maintenance hangars.

REQUIREMENT: This project is required to provide permanent aviation unit maintenance facilities for three (3) batallions.

CURRENT SITUATION: Facilities total 405,285 SF with 348,958 SF presently being used for Aviation Unit Maintenance (AVUM) and the remaining 56,327 SF being diverted for Aviation Intermediate Maintenance (AVIM) activities, because of the severe shortage of those facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, aviation unit maintenance will continue to be performed in extremely crowded and improperly designed facilities. The scarcity of hardstand parking apron will result in the closing of an alternate runway so that it may be used for parking.

1.COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4.PROJECT TITLE Aircraft Maintenance Hangar		5.PROJECT NUMBER 364

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
Safety, maintenance performance, training and materiel readiness posture of the division will be adversely affected until the programmed facilities are provided.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAR 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ORIGINAL DESIGN

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 540
(b) All Other Design Costs 140
(c) Total Cost 680
(d) Contract 29
(e) In-house 651

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Carson Colorado	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .90

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1733	17736	1910	10	2	0	205	820	2340	24,700
B. END FY 91	1733	17001	2242	0	0	0	37	130	599	21,742

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 137,391 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	333,767
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	11,300
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	37,739
F. PLANNED IN NEXT THREE YEARS	238,489
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	621,295

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
051	394	RANGE ROADS PHASE III	3,500	04/85	07/86
214	405	WASHRACK	7,800	06/85	07/86
		SUBTOTAL PROJECTS OVER $1M	11,300		
		TOTAL	11,300		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
721	BARRACKS MODERNIZATION	7,562
740	PHYSICAL FITNESS CENTER	4,100
179	AUTOMATED RECORD FIRE RNG	1,049
179	MOUT RANGE	4,550
214	TACT EQUIP SHP	7,493
179	RANGE IMPROVEMENT (109)	2,300
171	UNIVERSAL MIL TRNG COMPLEX	8,359
171	FLIGHT SIMULATOR BUILDING	2,326
	SUBTOTAL PROJECTS OVER $1M	37,739
	TOTAL	37,739

10. MISSION OR MAJOR FUNCTIONS:

Support and training of an Infantry Division (Mech) and other non-divisional support units.

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Carson Colorado

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Carson, Colorado		4.PROJECT TITLE Range Roads -Phase III	
5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 851	7.PROJECT NUMBER 394	8.PROJECT COST ($000) Auth 3,500 Approp 3,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,152
Range Roads	SY	233,725	12.04	(2,815)
Storm Drainage	LS	-	-	(303)
Road Signs	LS	-	-	(34)
Supporting Facilities				0
Subtotal				3,152
Contingency (5.00%)				158
Total Contract Cost				3,310
Supervision, Inspection & Overhead (5.50%)				182
Total Request				3,492
Total Request (Rounded)				3,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of gravel roads outside the cantonment area in the sub-training areas. The project will include widening/improvements to existing roads and signage.

11. REQUIREMENT: 233,725 SY ADEQUATE: None SUBSTANDARD: 27,205 SY

PROJECT: Construct and improve existing roads in the sub-training areas.

REQUIREMENT: This project is required to provide an adequate road network within the sub-training area and to satisfy requirements established in the Environmental Impact Statement.

CURRENT SITUATION: The majority of the current road network consists of single lane (10 ft wide) dirt/gravel roads that were established over the years by the individual property owners. No improvements were made to these roads and they are considered inadequate in size and condition for safe movement of military vehicles. Their unimproved condition also results in severe soil erosion.

IMPACT IF NOT PROVIDED: If this project is not provided, the extensive soil erosion will continue, the post will not conform to the agreements already established in the Environmental Impact Statement, and use of the maneuver area will remain difficult and unsafe.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Carson, Colorado		
4. PROJECT TITLE Range Roads -Phase III		5. PROJECT NUMBER 394

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....APR 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 150
(b) All Other Design Costs 31
(c) Total Cost 181
(d) Contract 5
(e) In house 176

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROGRAM

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
Camp Dawson
WEST VIRGINIA

4. COMMAND
ASSISTANT CHIEF OF ENGINEERS

5. AREA CONSTRUCTION COST INDEX
96

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	250	3	0	0	0	0	0	0	253
B. END FY 91	0	250	3	0	0	0	0	0	0	253

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	1,450 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	8,700
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	8,700

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	1	TRAINEE BARRACKS COMPLEX	8,700	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	8,700		
		TOTAL	8,700		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS : NONE		

10. MISSION OR MAJOR FUNCTIONS

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Dawson, West Virginia	4. PROJECT TITLE Student Training Facility

5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 721	7. PROJECT NUMBER 1	8. PROJECT COST ($000) Auth 8,700 Approp 8,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,267
200 PN Brks Open Bay w/Classrms	SF	43,500	55.85	(2,429)
50 PN Barracks	SF	23,100	77.48	(1,790)
Dining Facilities (200 PN)	SF	11,800	91.48	(1,079)
Headquarters and Supply Building	SF	9,000	42.18	(380)
Maintenance Building w/4 Bays	SF	6,850	43.31	(297)
See Cost Estimates (Continued)				(292)
Supporting Facilities				1,570
Electric Service	LS	-	-	(170)
Water, Sewer & Gas	LS	-	-	(395)
Paving, Walks, Curbs & Gutters	LS	-	-	(441)
Storm Drainage	LS	-	-	(124)
Site Improvement	LS	-	-	(196)
Communication	LS	-	-	(244)
Subtotal				7,837
Contingency (5.00%)				392
Total Contract Cost				8,229
Supervision, Inspection & Overhead (5.50%)				453
Total Request				8,682
Total Request (Rounded)				8,700
Installed Equipment - Other Appropriations				(0)

10 Description of Proposed Construction Construct a 200 person barracks including classrooms, a headquarters and supply building with small arms vault, dining facilities for 200 personnel, a 4-bay maintenance building, a 50 person barracks and a 25 person barracks. Supporting facilities will include utility services, fire protection systems, roads, walks, parking, communications and site improvements. Heating is supplied by individual oil units. Air conditioning individually supplied to each building. Air conditioning: 40 tons.

11. REQUIREMENT: 275 PN ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a 200 person barracks, 50 person barracks, 25 person barracks, dining building, headquarters and supply building with small arms vault, and a 4-bay maintenance building.

REQUIREMENT: This project is required to provide living quarters and administrative support for 200 students and 50 instructors of the West Virginia Army National Guard which is expanding its complement of troops which will use this facility.

CURRENT SITUATION: The present barracks, mess hall, and headquarters buildings are adequate only for the present forces. The West Virginia Army National Guard is in the process of expanding its complement of troops which

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Camp Dawson, West Virginia

4.PROJECT TITLE Student Training Facility	5.PROJECT NUMBER 1

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
25 PN Barracks	SF	4,250	68.66	292
			Total	292

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
will use the post for training. The planned expansion of the number of active Army students by 200 persons and 50 instructors requires the construction of new facilities.

IMPACT IF NOT PROVIDED: If this project is not provided there may be a delay or cancellation of this project for expansion of the Student Training Program which is urgently needed.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 359
(b) All Other Design Costs 146
(c) Total Cost 505
(d) Contract 309
(e) In-house 196

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 10 FEB 86
3. INSTALLATION AND LOCATION Fort Devens Massachusetts	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.15

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	737	4399	1594	0	1082	0	1	20	0	7,833
B. END FY 91	666	3998	1627	3	1772	0	0	9	18	8,093

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	9,340 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85		130,634
C. AUTHORIZATION NOT YET IN INVENTORY		0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM		20,800
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,861
F. PLANNED IN NEXT THREE YEARS		56,969
G. REMAINING DEFICIENCY		0
H. GRAND TOTAL		210,264

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	198	GEN INST BLDG	9,500	07/85	09/86
171	197	APPLIED INSTR FACILITY	6,800	07/85	09/86
721	204	BARRACKS MOD (2 BKS)	4,500	09/85	06/86
		SUBTOTAL PROJECTS OVER $1M	20,800		
		TOTAL	20,800		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
800	AREA PKG/ST LT MODIF ECIP	639
800	BURNER MODIF TO BOILER ECI	772
179	SAW/M 60 RNG	450
	SUBTOTAL PROJECTS $1M & LESS	1,861
	TOTAL	1,861
B.	PLANNED NEXT THREE PROGRAM YEARS	
171	MOD ACAD CLSRM BLDG P 13	10,270
171	MOD ACAD CLSRM BLDG P 12	9,646
	SUBTOTAL PROJECTS OVER $1M	19,916
	TOTAL	19,916

10. MISSION OR MAJOR FUNCTIONS:

The mission of Fort Devens is to provide command, training, operations, administration, and logistical support within the six New England states. Assist Reserve Components in maintenance.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Devens Massachusetts

10. MISSION OR MAJOR FUNCTIONS: (CONTINUE)

instruction, and training to comply with mobilization and readiness requirements.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Devens, Massachusetts	4. PROJECT TITLE Academic Instruction Facility

5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 171	7. PROJECT NUMBER 197	8. PROJECT COST ($000) Auth 6,800 Approp 6,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,154
Consol Classroom Fac	SF	59,736	86.28	(5,154)
Supporting Facilities				1,028
Electric Service	LS	-	-	(268)
Water, Sewer & Gas	LS	-	-	(35)
Paving, Walks, Curbs & Gutters	LS	-	-	(226)
Storm Drainage	LS	-	-	(35)
Site Improvement	LS	-	-	(338)
Communication	LS	-	-	(126)
Subtotal				6,182
Contingency (5.00%)				309
Total Contract Cost				6,491
Supervision, Inspection & Overhead (5.50%)				357
Total Request				6,848
Total Request (Rounded)				6,800
Installed Equipment - Other Appropriations				(27,220)

10. Description of Proposed Construction Construct a secure, consolidated classroom facility to include lecture classrooms, seminar rooms, computer classrooms, eight (8) instruction/training shops, instrument maintenance shops, a multi-purpose tactical system training facility, office space and storage. The facility will require radio frequency shielded areas to meet Defense Intelligence Agency (DIA) standards and Sensitive, Compartmented Information Facilities (SCIF). Supporting facilities include all utilities, paving, parking and site work. Air conditioning: 165 tons.

11. REQUIREMENT: 351,094 SF ADEQUATE: 223,766 SF SUBSTANDARD: 59,394 SF

PROJECT: Construct a secure operator training facility.

REQUIREMENT: This project is required to support Force Modernization Systems that are scheduled to arrive at the U. S. Army Intelligence School Devens (USAISD) in the FY 86 to FY 89 time frame. These facilities require special building shielding and additional equipment shielding to prevent the emanation of classified electronic signals from these systems as specified in DIA Manuals 50-3 and 50-4.

CURRENT SITUATION: The facilities currently in use are poorly sited and widely dispersed. The newest of these facilities was constructed in 1945. Many of these buildings are small and not capable of being modified to satisfy

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Devens, Massachusetts		
4.PROJECT TITLE Academic Instruction Facility		5.PROJECT NUMBER 197

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
the varying student course loads. They are subject to frequent flooding, freezing, and require constant modifications to meet security standards.

IMPACT IF NOT PROVIDED: If this project is not provided, new systems and training devices will have to be installed in temporary facilities remote from the current training areas. Continued use of overcrowded, inadequate facilities will adversely affect efficient and effective training and the continued use of substandard temporary buildings will necessitate increased yearly maintenance and repair costs.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $400,000 based on awarding a single construction contract for this project with project number 198 at Fort Devens, Massachusetts.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	FEB 85
(b) Percent Complete As Of January 1986	70
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	325
(b) All Other Design Costs	205
(c) Total Cost	530
(d) Contract	105
(e) In-house	425

(4) Construction Start .... FEB 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TACJAM	PM TRADE	87	
TCAC	PM TRADE	87	
GUARDRAIL	PM TRADE	88	
TSQ-114	PM TRADE	88	

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Devens, Massachusetts		
4.PROJECT TITLE Academic Instruction Facility		5.PROJECT NUMBER 197

12. SUPPLEMENTAL DATA: (Continued)

QUICKFIX	PM TRADE	89	
QUICKLOOK	PM TRADE	89	
---6 SEOS SUITES---			22135
NCSRT	RTD&E	86	5000
APECS	RTD&E	85	85
		TOTAL	27,220

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Devens, Massachusetts		4.PROJECT TITLE Academic Instruction Facility	
5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 171	7.PROJECT NUMBER 198	8.PROJECT COST ($000) Auth 9,500 Approp 9,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,435
Academic Classroom Bldg	SF	91,588	81.18	(7,435)
Supporting Facilities				1,121
Electric Service	LS	-	-	(241)
Water, Sewer & Gas	LS	-	-	(19)
Paving, Walks, Curbs & Cutters	LS	-	-	(252)
Storm Drainage	LS	-	-	(27)
Site Improvement	LS	-	-	(432)
Communication	LS	-	-	(122)
Fencing	LS	-	-	(28)
Subtotal				8,556
Contingency (5.00%)				428
Total Contract Cost				8,984
Supervision, Inspection & Overhead (5.50%)				494
Total Request				9,478
Total Request (Rounded)				9,500
Installed Equipment - Other Appropriations				(39,215)

10.Description of Proposed Construction Construction of an applied instruction building to include utilities, paving, storm drainage, site improvements, communications, and fire protection and alarm systems. Heating and air conditioning by self-contained systems. Air conditioning: 225 tons.

11. REQUIREMENT: 351,094 SF ADEQUATE: 223,966 SF SUBSTANDARD: 59,494 SF

PROJECT: Construct a secure, applied instruction building.

REQUIREMENT: Secure facilities are required to support equipment-intensive training of approximately 320 students and 55 instructors in Signal Intelligence/Electronic Warfare equipment operator Programs of Instruction. Facilities are required for 168 staff personnel involved in development of individual and unit training utilizing Sensitive Compartmented Information (SCIF). Facilities are also required for new system training devices.

CURRENT SITUATION: This project will replace fourteen (14) widely dispersed buildings that inhibit the installation and operation of new training devices and systems. Usable floor space is only 67 percent of that required. Fire suppression and halon systems are not present in any of the facilities, creating a severe safety hazard for students, instructors and administrative personnel. Some of the floors are carrying loads 2 and 3 times the original design capacity.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Devens, Massachusetts		
4. PROJECT TITLE Academic Instruction Facility		5. PROJECT NUMBER 198

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: If this project is not provided, the U.S. Army Intelligence School, Devens (USAISD) will not be able to satisfy ongoing security and safety deficiencies. The ability to absorb future training requirements will be severely restricted under the current facilities layout. The security and safety deficiencies associated with the current facilities will cripple the mission of the school.
ADDITIONAL: Economic Analysis indicates the cost effectiveness of this project. An economic analysis has been prepared comparing this project with the alternative renovation. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient. The appropriation request in Block 8 reflects a cost based on awarding a single construction contract for this project with project number 197 at Fort Devens.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... JUL 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 405
(b) All Other Design Costs 277
(c) Total Cost 682
(d) Contract 105
(e) In-house 577

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
AN/TSQ-134(V)	PDIP	84	7500
AN/UYK-71	PDIP	85	640
SIT OPER TRAINER	PDIP	88	4900

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Devens, Massachusetts		
4. PROJECT TITLE Academic Instruction Facility		5. PROJECT NUMBER 198

12. SUPPLEMENTAL DATA: (Continued)

IVD (TACJAM	OPA	85	75
MORSE MISSION TNR	OPA	86	8200
HIPPPDROME OPER	OPA	86	3500
EMERSON/103A	OPA	84	2200
AN/TSQ-130,TCAC	OPA	86	6100
RECS	PDIP	88	6100
		TOTAL	39,215

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Devens, Massachusetts	4. PROJECT TITLE Barracks Modernization

5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 721	7. PROJECT NUMBER 204	8. PROJECT COST ($000) Auth 4,500 Approp 4,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,864
Renovate Barracks P-658	SF	40,639	46.40	(1,886)
Renovate Barracks P-673	SF	40,639	48.68	(1,978)
Supporting Facilities				2
Communication	LS	-	-	(2)
Subtotal				3,866
Contingency (10.00%)				387
Total Contract Cost				4,253
Supervision, Inspection & Overhead (5.50%)				234
Total Request				4,487
Total Request (Rounded)				4,500
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Modernize two three-story barracks. Work will include repartitioning of the present layout, integrating the company office area in the barracks, electrical and heating/ventilating system improvements, laundry, mailroom, and upgrade of the fire detection/ prevention system.

11. REQUIREMENT: 3,280 PN ADEQUATE: 2,750 PN SUBSTANDARD: 1,446 PN

PROJECT: Modernize two (2) barracks.

REQUIREMENT: This project is part of the post's continuing barracks modernization program to meet current DOD standards. The program objectives are to improve energy conservation, maximize space utilization and improve overall living conditions. This project is required to provide adequate housing for 261 E1-E4, 47 E5-E7, (intended utilization), with a maximum utilization of 355.

CURRENT SITUATION: The barracks were built in the late 1960s and have never been upgraded. The space layout is inefficient and the latrines are deteriorated and improperly ventilated. The buildings are extremely energy inefficient, were never insulated, and the windows are worn and drafty. The heating and ventilating system is inefficient and unbalanced, resulting in more than 60 percent of the rooms being either too cold or too hot. The electrical system does not have adequate capacity to meet current demand.

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
Fort Devens, Massachusetts

4. PROJECT TITLE
Barracks Modernization

5. PROJECT NUMBER
204

Finally, the administration and mail rooms are not located in the barracks which leads to inefficient operation.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers assigned to these barracks will continue to live in crowded communal conditions that lack sufficient utility support. The results will be continued adverse effects on troop morale, retention rates and mission accomplishment.

ADDITIONAL: An Economic Analysis comparing this project with the alternative of new construction indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 83
(b) Percent Complete As Of January 1986 45
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 283
(b) All Other Design Costs 75
(c) Total Cost 358
(d) Contract 284
(e) In-house 74

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Drum New York	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.18

6. PERSONNEL STRENGTH:

	PERMANENT			NG/USAR			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	271	1119	371	303	2009	0	7	77	134	5,171
B. END FY 89	1250	9395	1724	303	2009	0	29	231	425	16,246

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	107,265 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	65,320
C. AUTHORIZATION NOT YET IN INVENTORY	85,500
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	615,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	765,820

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141	1000	10TH MOUTAIN DIV FAC	615,000	02/85	03/87
		SUBTOTAL PROJECTS OVER $1M	615,000		
		TOTAL	615,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS : NONE		

10. MISSION OR MAJOR FUNCTIONS:

Responsible for the command, training and operation of all units and activities assigned to Fort Drum including the new Light Infantry Division (10,000 soldiers). Prepares, coordinates and implements, as directed, plans to include air raid, domestic emergency, mobilization and local defense. Provides administrative and logistical support to all First Army installations, units and activities located in the Fort Drum zone. Provides administrative and logistical support for active Army, National Guard and U.S. Army Reserve (USAR) units conducting unit training, maneuvers and field training exercises at Fort Drum.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Drum, New York	4.PROJECT TITLE 10th Mountain Division Facilities

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 141	7.PROJECT NUMBER 1000	8.PROJECT COST ($000) Auth 615,000 Approp 232,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility 10th Mountain Division Facilities (see paragraph titled ADDITIONAL below for breakout of scope and costs)	LS	-	-	743,000
Costs for Supporting Facilities, Contingencies, and SIOH are included in the costs given above.	-	-	-	-
Reduction For Anticipated Savings				-128,000
The CWE for this project, using traditional cost estimating, contracting, and construction methods for individual projects is $743M, as shown in the following estimates. With the approval of the requested full authorization and advance appropriations, the Army will be able to gain significiant savings and expects to construct this critical facility within the requested $615M. Specifically, the Army will be able to maximize savings resulting from the magnitude of the contracts and the intrinsic efficiencies and economies of scale.				
Revised Project Total				615,000

10.Description of Proposed Construction Construct various permanent real property facilities to house, train, maintain, and support an Army Division of 10,380 soldiers to be stationed at this installation. Work will include structures, roads, utilities services, site preparation, demolition and other construction efforts as required. The Army proposes to accomplish this project by full authorization of the scope of work, an appropriation in FY 87 and advance appropriation to be available in FY 88 and FY 89.

11. REQUIREMENT

PROJECT: Construct various categories of real property facilities for the stationing of a Light Infantry Division. The Army's plan is to construct all facilities at Fort Drum as a continuous project using large construction contract(s) with full authorization and appropriation in FY 87 and advance appropriations over two consecutive years (FY 88 & 89). This technique will permit significant monetary savings to the government as a result of construction efficiencies and economies of scale. Integral to this plan is a construction paced, rather than an appropriations paced, facilities delivery schedule. Therefore, the annual appropriations requests in support of this project are based on anticipated contractor financial investment and cumulative construction placement rather than the delivery of individual

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Drum, New York		
4.PROJECT TITLE 10th Mountain Division Facilities		5.PROJECT NUMBER 1000

11. REQUIREMENT: (Continued)

PROJECT: (Continued)

facilities. Also, the amounts allocated to each category of facilities may vary annually according to the contractors most efficient construction schedule and are presented as the best estimate based on requirements for facilities and estimated construction durations. Appropriations are required as follows: FY 87 - $232 M; FY 88 - $221 M; FY 89 - $162 M.

REQUIREMENT: Basic installation housing, operations and support facilities are required to support activation and fielding of the 10th Mountain Division (MD) at Fort Drum. As the Division is activated and fielded at Fort Drum, it will occupy limited existing installation facilities designed and constructed during the early period of World War II. The limited World War II facilities available are inadequate to support a modern infantry division. The personnel and equipment organic to, and in support of, the 10th MD require troop housing and dining facilities, operations buildings, maintenance shops, medical/dental facilities, warehousing, storage, administrative buildings, utilities systems, roads, military family housing and other facilities required for a division sized installation.

CURRENT SITUATION: Fort Drum has a very limited number of permanent modern facilities. Except for periods when the U.S. has been at war, the primary function of the installation has been annual active duty training for reserve components utilizing the World War II wooden barracks, administrative facilities and utility support during the summer training periods. The existing temporary-type facilities are now more than forty years old, but must be retained for the reserve component training mission and additional, modern, permanent-type buildings provided to adequately house and support the 10th Mountain Division.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Drum cannot adequately support the personnel and mission of the 10th Mountain Division, resulting in decreased readiness and operational capability to respond to worldwide rapid deployment requirements.

ADDITIONAL:

A breakout of the proposed construction is as follows:

CATCODE	PROJECT DESCRIPTION	QUANTITY	ESTIMATED COST ($000)
	Operation Facilities	Total Cost =	102,840
113	RW Aircraft Parking Apron	LS	6,400
113	RW Aircraft Hangar Aprons	LS	18,000
121	RW Aircraft Fuel Truck Building	1 EA	290

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		14 FEB 86

3. INSTALLATION AND LOCATION
Fort Drum, New York

4. PROJECT TITLE
10th Mountain Division Facilities

5. PROJECT NUMBER
1000

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)

124	RW Aircraft Fuel Storage	LS	2,300
131	Telephone System Expansion	LS	20,000
136	Airfield Fence	LS	1,600
141	Battalion Headquarters w/Classroom	17 EA	26,500
141	Brigade Headquarters w/Learning Center	5 EA	9,300
141	Division Headquarters	1 EA	8,900
141	Airfield Operations Facilities	1 EA	7,200
141	Combined Arms Water Obstacle Training (CAWOT) Operations Facility	1 EA	2,350
	Training Facilities	Total Cost =	26,390
171	Range Control Building	1 EA	2,600
171	Training Aids Support Center	1 EA	2,700
171	Moving Target Simulator Building	1 EA	760
171	Battle Simulation Center	1 EA	3,050
179	Automated Record Fire Range	1 EA	1,800
179	Urban Area Operations Range	1 EA	6,000
179	Infantry Platoon Battle Course	1 EA	1,200
179	Anti-Armor Live Fire Range	1 EA	3,200
179	Observed Fire Trainer	1 EA	230
179	Air Defense Training Range	1 EA	2,200
179	Machine Gun Range	1 EA	2,650
	Maintenance Facilities	Total Cost =	169,400
211	RW Aircraft Maintenance Hangars	5 EA	32,750
214	Vehicle Mtce Shops-Organizational	15 EA	84,900
214	Vehicle Mtce Shops-Direct Support	1 EA	8,400
214	Vehicle Mtce Shops-General Support	1 EA	24,000
214	Central Vehicle Wash Facility	1 EA	8,100
216	Ammo Surveillance Facility	1 EA	1,650
218	Non-TOE Vehicle Maintenance Shop	1 EA	3,100
219	Post Engr Building Maintenance Shops	1 EA	6,500
	Supply Facilities	Total Cost =	24,780
422	Ammo Supply Point Expansion	1 EA	1,900
441	Flammable Material Storehouse	1 EA	630
441	Transportation Warehouse	1 EA	2,150
442	Warehouse-Division Breakdown	1 EA	4,200

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Drum, New York		
4. PROJECT TITLE 10th Mountain Division Facilities		5. PROJECT NUMBER 1000

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)

442	Post Engr Storehouse	1 EA	4,100
442	Subsistence Whse & Cold Storage	1 EA	2,400
442	POL Storehouse (Packaged Products)	1 EA	1,150
442	Medical Supply Warehouse	1 EA	2,100
442	War Reserve Med Supply Whse	1 EA	1,350
442	Post Engr Veh Garage	1 EA	380
442	Post Engr Lumber/Pipe Shed	1 EA	390
442	Storehouse, Air-to-Ground Training Devices	1 EA	1,300
442	Pesticide Storage/Mixing Facility	1 EA	310
442	Hazardous Waste Storage Fac	1 EA	270
442	Installation Property Book Facility	1 EA	2,150
	Medical Facilities	Total Cost =	23,200
540	Dental Clinic	1 EA	4,550
550	Troop Medical Clinic	1 EA	3,650
550	Ambulatory Health Care Clinic	1 EA	15,000
	Administrative Buildings	Total Cost =	9,100
610	Post Safety & Law Enforce Building	1 EA	3,350
610	Post Engineer Operations Building	1 EA	1,900
610	Administration Bldg General Support	1 EA	1,350
610	Logistics Operations Building	1 EA	2,500
	Unaccompanied Personnel Housing	Total Cost =	182,100
721	Enlisted Barracks w/Co Opns & Supply(4981PN)	LS	139,500
721	Senior Enlisted Bachelor Quarters(336PN)	2 EA	6,750
722	Enlisted Dining Facilities	8 EA	18,050
724	Bachelor Officer's Quarters(300PN)	2 EA	17,800
	Community Facility	Total Cost	54,950
730	Post Chapel	1 EA	1,800
730	Unit Chapel	4 EA	6,150
740	Physical Fitness Center	1 EA	10,200
740	Multi-Purpose Auditorium/Theater	1 EA	1,900
740	Child Care/Religious Ed Fac (300 Child)	1 EA	5,100
740	Clothing Sales Store	1 EA	1,150
740	Consolidated Post Support Facility	1 EA	13,400

1.COMPONENT		2.DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 86

3.INSTALLATION AND LOCATION

Fort Drum, New York

4.PROJECT TITLE	5.PROJECT NUMBER
10th Mountain Division Facilities	1000

11. REQUIREMENT: (Continued)

ADDITIONAL: (Continued)

740	Recreation Center	1 EA	4,100
740	Morale, Welfare & Recreation Operation & Supply Building	1 EA	1,600
740	Library/Education Center	1 EA	6,200
740	Child Care Center (300 Child)	1 EA	3,350
	Utilities & Real Estate	Total Cost =	150,070
812	Elec Power-Transmission/Distribution	LS	7,470
822	Hot Water Distribution Lines	LS	25,550
832	Sewage Collection & Landfill	LS	14,600
842	Water Supply, Treatmt & Distn Sys-Potable	LS	41,300
851	Roads	LS	48,800
851	Gas Pipe Line	LS	1,950
932	General Site Development	LS	10,400
	Grand Total Cost	=	742,830 *
	Total Cost (Rounded)	=	743,000

* Costs include contingency (5.0%) plus supervision, inspection & overhead (5.50%)

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... FEB 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 85

(d) Date Design Complete .... MAR 87

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Multiple Locations

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 35,000

(b) All Other Design Costs 14,500

(c) Total Cost 49,500

(d) Contract .... ______

(e) In-house .... ______

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Drum, New York		
4. PROJECT TITLE 10th Mountain Division Facilities		5. PROJECT NUMBER 1000

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Hood Texas	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .89

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	4199	35079	4686	0	0	0	29	97	0	44,090
B. END FY 91	5017	34946	4131	0	0	0	29	97	0	44,220

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	216,915 AC
B. INVENTORY TOTAL AS OF 30 SEP 85..........	506,576
C. AUTHORIZATION NOT YET IN INVENTORY..........	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..........	17,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........	61,605
F. PLANNED IN NEXT THREE YEARS..........	260,944
G. REMAINING DEFICIENCY..........	0
H. GRAND TOTAL..........	936,975

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
179	503	INSTALL MOVING TGT SYSTEM	4,500	07/84	02/86
171	522	INTEL READINESS TRNG FAC	2,750	07/85	09/86
214	527	CENTRAL VEHICLE WASH FAC	10,000	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	17,050		
		TOTAL	17,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
141	BN HQDS PATRIOT	1,000
214	CONSOLIDATED MAINT FAC	28,000
179	SUB CAL RANGE, M-1/BRADLEY	3,363
740	CHILD DEV & REL ED FAC	11,536
211	AIRCRAFT MAIN FAC EXP	3,675
214	TAC EQUIP SHOP 15TH MI	2,497
171	BATTALION ADM/CLASS BLDG	1,723
214	TAC EQUIP SHOP PATRIOT	7,100
723	CO OPS & SUPPY	1,931
	SUBTOTAL PROJECTS OVER $1M	61,605
	TOTAL	61,605

10. MISSION OR MAJOR FUNCTIONS:

The primary activities at Fort Hood are all oriented toward the training of combat, combat support and combat service support units, primarily through maneuver and live fire training exercises.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Hood Texas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(0000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Hood, Texas	4.PROJECT TITLE Range Modernizations

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 179	7.PROJECT NUMBER 503	8.PROJECT COST ($000) Auth 0 Approp 4,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,884
Control Tower	EA	2	106,091	(212)
Control Cables	LF	54,900	5.76	(316)
Moving Target Emplacement/Bunker	EA	4	135,909	(544)
Stationary Pers Target Emplacemt	EA	200	2,118	(424)
Stationary Tank Target Emplacemt	EA	60	6,470	(388)
Supporting Facilities				2,188
Electric Service	LS	-	-	(1,642)
Paving, Walks, Curbs & Gutters	LS	-	-	(276)
Storm Drainage	LS	-	-	(134)
Site Improvement (34) Demolition (3)	LS	-	-	(37)
Communication	LS	-	-	(99)
Subtotal				4,072
Contingency (5.00%)				204
Total Contract Cost				4,276
Supervision, Inspection & Overhead (5.50%)				235
Total Request				4,511
Total Request (Rounded)				4,500
Installed Equipment - Other Appropriations				(4,734)

10.Description of Proposed Construction Modernize two existing ranges to include: installation of two new Armor Moving Target Carrier (AMTC) systems at Pilot Knob (PK-6) range and two AMTC systems at Blackwell range plus upgrade of one existing AMTC system in Blackwell range by providing a hardwire commercial power system to replace the existing on-site generator power source. Each AMTC system will require: 1,200 foot-long base which will accommodate a new classified AMTC, control tower, concrete bunkers for target carrier, computer control wiring and downrange electrical wiring. Hardwire 60 armor targets (stationary) and 200 infantry remote target systems. Some demolition of existing earth berms and bunker may be required in order to place new target system on existing site. Work to include utilities, storm drainage, communications and site work. Heating and air conditioning by self-contained units. Air conditioning (control towers): 4 tons.

11. REQUIREMENT: 2 EA ADEQUATE: None SUBSTANDARD: 2 EA

PROJECT: Modernize two existing armor ranges and upgrade one existing AMTC system.

REQUIREMENT: This project is required to provide active duty troops of the 1st Cavalry Division, 2nd Armored Division and Reserve and National Guard units training at Fort Hood, with a range complex capable of presenting M-1

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Hood, Texas

4.PROJECT TITLE	5.PROJECT NUMBER
Range Modernizations	503

Tank crews and Bradley Fighting Vehicle crews with realistic gunnery exercises, as required by current gunnery tables.

CURRENT SITUATION: The existing armor targets are archaic systems which fail to provide realistic target movement characteristics and displays, and automatic hit scoring required for efficient use of modern vehicles and sighting systems. The existing AMTC on Blackwell Range is powered by a diesel engine driven generator and controlled by an inadequate radio system. The target carrier operates at just one speed with only up and down target control and no hit recording capability. The other two AMTC's on Blackwell Range and the two on Pilot Knob Range consist of "gascars", (salvaged jeeps) which operate in a very limited speed range, require personnel downrange in the bunkers for operation, and do not have automatic hit scoring. There are no stationary armor pop-up targets or stationary infantry pop-up targets installed on either range. This severely limits training scenarios to those requiring only moving targets.

IMPACT IF NOT PROVIDED: If this project is not provided, personnel who are assigned highly sophisticated armor equipment will have to continue their training using old, outmoded, inefficient training aids which do not present realistic target threats. This will result in the Army having sophisticated weapons systems without adequately trained personnel to man them and we will continue to get far less than optimum use of our ranges in a time when every acre of training area must be used to its maximum potential. This will adversely affect the readness level of the 1st Cavalry Division, 2d Armored Division, the 49th Armored Division, Texas National Guard, and Reserve units from seven states.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUL 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... DEC 85

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 250
(b) All Other Design Costs 197
(c) Total Cost 447
(d) Contract 226
(e) In-house 221

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Range Modernizations		5. PROJECT NUMBER 503

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
AMTC (4)	DAART	86	500
Target Holding Mech	DAART	86	312
Inf Tgt Mech (200)	DAART	86	780
Range Cntrl St (2)	DAART	86	175
Install/Check-out	OPA	86	600
TOTAL			2367
		TOTAL	4,734

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Hood, Texas	4. PROJECT TITLE Academic Instruction Facility

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 171	7. PROJECT NUMBER 522	8. PROJECT COST ($000) Auth 2,750 Approp 2,750

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,963
Building	SF	21,253	92.36	(1,963)
Supporting Facilities				541
Electric Service	LS	-	-	(41)
Water, Sewer & Gas	LS	-	-	(120)
Site Improvement	LS	-	-	(339)
Communication	LS	-	-	(41)
Subtotal				2,504
Contingency (5.00%)				125
Total Contract Cost				2,629
Supervision, Inspection & Overhead (5.50%)				145
Total Request				2,774
Total Request (Rounded)				2,750
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a high security, permanent Facility for Intelligence, Readiness, and Sustainment Training (FIRST) to include external electrical communication receptacles for tracked and wheeled intelligence vehicles, concrete hardstands, concrete antenna pads, and security fencing. Construction provides utilities, communications, fire protection and alarm systems, and site improvements. Heating and air conditioning with self-contained systems. Air conditioning: 52 tons.

11. REQUIREMENT: 80,763 SF ADEQUATE: 59,510 SF SUBSTANDARD: None

PROJECT: Construct a Facility for Intelligence, Readiness and Sustainment Training (FIRST).

REQUIREMENT: This project is required to provide a facility which will consolidate equipment, including three Trojan systems, the Homefarer, and 05-K Nonmorse Intercept, and provide the environment needed to enhance and sustain military intelligence (MI) personnel. The Live Environmental Training (LET) provided by this facility is essential for the teamwork required of MI personnel. The project will provide training for a requirement of 180 MI personnel from five military divisions and several brigade equivalent units.

CURRENT SITUATION: At present, training in most intelligence skills for tactical units is far below the essential minimum. To obtain the required

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Academic Instruction Facility		5. PROJECT NUMBER 522

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
LET, MI personnel must be posted to OCONUS or CONUS locations on temporary duty (TDY), which is costly in terms of dollars and manpower lost to the unit.
IMPACT IF NOT PROVIDED: Critical skills of MI personnel will not be sustained or improved, seriously endangering our peacetime and wartime capabilities. The lack of this facility will continue to degrade the effectiveness, readiness, and morale of the troops.
ADDITIONAL: Economic Analysis indicates the cost effectiveness of this project. An economic analysis has been prepared comparing this project with the alternative of sending personnel on intensive temporary duty to achieve live environmental training. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... JUL 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 233
(b) All Other Design Costs 63
(c) Total Cost 296
(d) Contract 000
(e) In-house 296

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Hood, Texas	4.PROJECT TITLE Vehicle Wash Facility

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 214	7.PROJECT NUMBER 527	8.PROJECT COST ($000) Auth 10,600 Approp 10,600

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,981
Central Vehicle Wash Facility	LS	-	-	(4,250)
Wash Fac East (Wheeled Vehicle)	LS	-	-	(476)
Wash Fac West (Wheeled Vehicle)	LS	-	-	(485)
Wash Fac RGAAF (Wheeled Vehicle)	LS	-	-	(770)
Supporting Facilities				3,671
Electric Service	LS	-	-	(340)
Water, Sewer & Gas	LS	-	-	(560)
Paving, Walks, Curbs & Gutters	LS	-	-	(858)
Site Improvement (1900) Demolition (3)	LS	-	-	(1,903)
Communication	LS	-	-	(10)
Subtotal				9,652
Contingency (5.00%)				483
Total Contract Cost				10,135
Supervision, Inspection & Overhead (5.50%)				557
Total Request				10,692
Total Request (Rounded)				10,600
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a central vehicle wash facility, a new wheeled-vehicle wash facility, and convert two existing tank wash facilities into two wheeled-vehicle wash facilities. Project includes required utility services, roads, walks, storm drainage, wash water reclamation, pump houses, night operations lighting, curb and gutters, latrines, storage, relocation of utilities, and dredging of adjacent impoundment structures. Air conditioning for three small offices is required.

11. REQUIREMENT: 4 EA ADEQUATE: None SUBSTANDARD: 2 EA

PROJECT: Construct one centralized track-and-wheeled-vehicle wash facility, one wheeled-vehicle wash facility at West Fort Hood, and convert two existing tank wash facilities.

REQUIREMENT: This project is required to enhance environmental initiatives as directed by a compliance request of the U.S. Department of Agriculture (USDA), to wash vehicles returning from foreign lands, and to reduce the manhours, energy and utility costs required to clean tactical tracked and wheeled vehicles. More than 1,500 tracked vehicles and 9,000 tactical and non-tactical wheeled vehicles will be served.

CURRENT SITUATION: The two existing wash facilities are inadequate, inefficient, and often hazardous for troops to use. The facilities are

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Hood, Texas		
4.PROJECT TITLE Vehicle Wash Facility		5.PROJECT NUMBER 527

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
overtaxed by more than 600 battalion-size exercises per year. A combined total of more than 1,160,000 manhours is spent washing tracked and wheeled vehicles annually. The average wash time per vehicle is 30 minutes and the existing layout will not allow individual vehicle work to flow through. This results in long lines of vehicles waiting to be washed, wasting manhours and fuel while idling. Safety is a problem because the troops must man high-pressure hoses and the possibility of being hit by high-pressure water. Hoses sometimes get away from the men and whip about, striking personnel or damaging the nozzles. In addition, the paving was designed for vehicles of lighter weight. The cleaning received is rudimentary, and requires the vehicle be cleaned a second time in the unit's motor park. This takes an additional 20 to 30 minutes per vehicle, plus 2-1/2 to 3 hours to clean the motor park area. Soil is deposited on the street system between the wash facilities and various motor parks by the partially washed vehicles, which creates a traffic hazard, requires even more time be devoted to cleaning the streets, and causes storm drainage structures to prematurely fill with sediment. The proposed facility will be able to wash 40 to 100 vehicles per hour, will eliminate the need for a second washing and will reduce clean-up costs for the motor parks and streets.
IMPACT IF NOT PROVIDED: If this project is not provided, the present waste of manpower and time, and the safety hazards will continue. The proposed project will reduce the manhours spent washing vehicles by 80 percent.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....DEC 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Ft Hood

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 501
(b) All Other Design Costs 114
(c) Total Cost 615
(d) Contract 501
(e) In-house 114

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Vehicle Wash Facility		5. PROJECT NUMBER 527

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... MAR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Sam Houston Texas	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .86

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1749	3035	6345	644	4134	0	0	0	0	15,907
B. END FY 91	1848	3491	7282	1939	5150	0	0	0	0	19,710

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 3,159 AC

B. INVENTORY TOTAL AS OF 30 SEP 85.................................... 161,404

C. AUTHORIZATION NOT YET IN INVENTORY.................................... 15,298

D. AUTHORIZATION REQUESTED IN THIS PROGRAM.................................... 3,700

E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.................................... 22,348

F. PLANNED IN NEXT THREE YEARS.................................... 214,060

G. REMAINING DEFICIENCY.................................... 126

H. GRAND TOTAL.................................... 416,936

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	127	CHILD CARE CENTER	2,900	10/85	09/86
		SUBTOTAL PROJECTS OVER $1M	2,900		
841	147	WTR STG TANK(CAMP BULLIS)	800	10/85	06/86
		SUBTOTAL PROJECTS $1M & LESS	800		
		TOTAL	3,700		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
141	CIDC FIELD OPERATIONS BLDG	1,262
179	MED SYST EQUIP TRAIN COM	19,500
	SUBTOTAL PROJECTS OVER $1M	20,762
800	FLUE GAS ANALYZER ECIP	500
800	HEAT RECOV LNDRY ECIP	350
800	UPGRADE UTILITIES	736
	SUBTOTAL PROJECTS $1M & LESS	1,586
	TOTAL	22,348

10. MISSION OR MAJOR FUNCTIONS:

The mission of HQ, Fort Sam Houston, is: command and control Fort Sam Houston, its sub installations and assigned or attached Forscom units or activities; provide support to tenant activities within its geographical support area. Major tenant activities on Fort Sam Houston include: HQ, Fifth U.S. Army; HQ, Health Services Command; Academy of Health Sciences; Brooke Army Medical Center; HQ, 5th Recruiting Brigade. The Camp Bullis sub installation, in

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION. Fort Sam Houston Texas

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

addition to its primary function of a reserve component trainning site, serves as a range and maneuver training area for active component activites such as: Academy of Health Sciences, Fort Sam Houston; 3207th Technical Squadron, Lackland AFB; 320th Technical Training Group, Lackland AFB.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	1,800
C. OCCUPATIONAL SAFETY AND HEALTH	4,698

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Sam Houston, Texas	4.PROJECT TITLE Child Development Center

5.PROGRAM ELEMENT 22696A	6.CATEGORY CODE 740	7.PROJECT NUMBER 127	8.PROJECT COST ($000) Auth 2,900 Approp 2,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,208
Child Dev Ctr/Relig Ed Fac	SF	31,220	61.68	(1,926)
Playground	LS	-	-	(37)
Unusual Foundation	LS	-	-	(238)
Outdoor Storage (250 SF)	LS	-	-	(7)
Supporting Facilities				393
Electric Service	LS	-	-	(67)
Water, Sewer & Gas	LS	-	-	(38)
Paving, Walks, Curbs & Gutters	LS	-	-	(85)
Storm Drainage	LS	-	-	(21)
Site Improvement (83) Demolition (69)	LS	-	-	(152)
Communication	LS	-	-	(30)
Subtotal				2,601
Contingency (5.00%)				130
Total Contract Cost				2,731
Supervision, Inspection & Overhead (5.50%)				150
Total Request				2,881
Total Request (Rounded)				2,900
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a child care center/religious education facility with required utilities, alarm systems, roads, storm drainage, parking, site improvements and communications. Heating and air conditioning will be provided by self-contained systems. Accessibility for the handicapped will be provided. Demolish six (6) buildings (20,141 SF). Air conditioning: 76 tons.

11. REQUIREMENT: 40,365 SF ADEQUATE: 1,000 SF SUBSTANDARD: 29,434 SF

PROJECT: Construct a child care center/religious education facility.

REQUIREMENT: This project is required to provide a joint-use child care center/religious education facility with a capacity of 303 children. The consolidation of functions in this facility will save 12,865 SF of space compared to construction of two separate facilities.

CURRENT SITUATION: The present facilities are dispersed and inadequate in size and layout, and do not meet the requirements of the supported military families. The temporary buildings used for religious education, violate National Fire Protection Association life-safety criteria. Classes are held in 2-story World War II buildings without sprinkler or alarm systems.

IMPACT IF NOT PROVIDED: If this project is not provided, members of the military population seeking child care facilities will be forced to seek

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Sam Houston, Texas		
4.PROJECT TITLE Child Development Center		5.PROJECT NUMBER 127

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
facilities off post at great expense. Child care at Fort Sam Houston will continue to be inadequate. Failure to approve this project will result in the continued imminent life/safety hazard to the dependent population participating in the religious education program.
ADDITIONAL: An Economic Analysis comparing this project with the alternatives of leasing and off-post facility and expansion of the existing facility indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... OCT 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 166
(b) All Other Design Costs 81
(c) Total Cost 247
(d) Contract 178
(e) In-house 069

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION FORT IRWIN California	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.20

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	521	3172	662	0	0	0	0	0	0	4,355
B. END FY 91	481	3362	464	0	0	0	10	17	166	4.500

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 636,457 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85..........	68,719
C. AUTHORIZATION NOT YET IN INVENTORY..........	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..........	2,870
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........	14,554
F. PLANNED IN NEXT THREE YEARS..........	57,340
G. REMAINING DEFICIENCY..........	0
H. GRAND TOTAL..........	143,483

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
442	307	GEN PURPOSE WAREHOUSE	2,050	06/85	00/00
		SUBTOTAL PROJECTS OVER $1M	2,050		
141	206	TROOP STAGING AREA	820	06/85	04/86
		SUBTOTAL PROJECTS $1M & LESS	820		
		TOTAL	2,870		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
748	COMMUNITY CENTER	1,900
442	SELF SERV SUPPLY CTR	2,591
214	TACT EQUIP SHOP NTC	4,511
442	REPLACE BURNED WAREHOUSE	2,200
841	WATER DEV LANGFORD	2,738
	SUBTOTAL PROJECTS OVER $1M	13,940
610	CIV PERSONNEL BLDG	614
	SUBTOTAL PROJECTS $1M & LESS	614
	TOTAL	14,554

10. MISSION OR MAJOR FUNCTIONS:

Provide tough, realistic combined arms field training at Battalion task force level using live fire exercises and opposing forces in realistic scenarios, also provides a data source for training, doctrine and systems improvement, supports assigned, attached, tenant and training units; community support for dependents, authorized civilians and retirees.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: FORT IRWIN California

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Irwin, California	4. PROJECT TITLE General Purpose Warehouse

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 442	7. PROJECT NUMBER 207	8. PROJECT COST ($000) Auth 2,050 Approp 2,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,514
General Purpose Warehouse	SF	33,210	45.60	(1,514)
Supporting Facilities				358
Electric Service	LS	-	-	(17)
Water, Sewer & Gas	LS	-	-	(55)
Paving, Walks, Curbs & Gutters	LS	-	-	(88)
Storm Drainage	LS	-	-	(46)
Site Improvement	LS	-	-	(117)
Communication	LS	-	-	(4)
Fence	LS	-	-	(31)
Subtotal				1,872
Contingency (5.00%)				94
Total Contract Cost				1,966
Supervision, Inspection & Overhead (5.50%)				108
Total Request				2,074
Total Request (Rounded)				2,050
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a warehouse with offices, latrine, loading dock, ramp access, parking area, and fenced storage area. Work to include a fire sprinkler system, landscaping, and paving. Air conditioning and heating by self-contained system. Air conditioning (office area only) - 2 tons.

11. REQUIREMENT: 125,000 SF ADEQUATE: 68,123 SF SUBSTANDARD: 64,830 SF

PROJECT: Construct a general purpose warehouse.

REQUIREMENT: This project is required to provide rapid distribution of supplies to enable troops to begin training as soon after they reach the base as possible, and to permit secure storage of equipment.

CURRENT SITUATION: Warehousing space is currently shared with the Central Issue and Self-Service Supply functions in a World War II temporary-type building which is unfenced, provides no secure storage and is subject to pilfering. There is no way to prevent mingling of supplies in the two areas, which results in traffic and parking delays. The temporary storage facilities are not designed for fork lift truck operation and are labor intensive, resulting in increased labor costs. The building is not capable of holding the existing flow of supplies into the base and shipments of mobilization supplies are diverted to the nearest available storage, Reno, Nevada, at

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Irwin, California		
4.PROJECT TITLE General Purpose Warehouse		5.PROJECT NUMBER 207

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
considerable cost. Finally, the lack of office space makes administration of the supply program on base difficult. The new warehouse will be separated from other base storage facilities to ensure inventory control and security. No facility suitable for this purpose now exists on base. The existing facility now holds all supplies being received, and a 20-30 percent increase is expected in 1986.
IMPACT IF NOT PROVIDED: If this project is not provided, supplies will either be inadequate for the base's needs, will have to be stored outside, or shipped to interim locations at considerable cost. Damage and pilfering will continue, and there will be major delays in training because troops will not receive needed supplies in a timely manner.
ADDITIONAL: It is anticipated that this project will be procured using the one-step competitive negotiation form of turnkey contracting.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....N/A
(b) Percent Complete As Of January 1986 ....N/A
(c) Percent Complete As Of October 1986 ....N/A
(d) Date Design Complete ....N/A

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications .... N/A
(b) All Other Design Costs .... ____
(c) Total Cost .... ____
(d) Contract .... N/A
(e) In-house .... N/A

(4) Construction Start .... N/A
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Lewis Washington	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.07

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	3262	22027	5801	51	91	0	81	466	112	31,891
B. END FY 91	2885	20254	4003	70	108	0	37	71	125	27,553

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	86,175 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	339,407
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	25,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	142,667
F. PLANNED IN NEXT THREE YEARS	342,355
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	850,409

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
833	468	REFUSE INCINERATOR PLANT	13,000	02/85	08/86
833	541	LANDFILL UPGRADE	7,500	06/85	08/86
214	553	TAC EQUIP SHOP, MLRS	4,400	07/85	10/86
		SUBTOTAL PROJECTS OVER $1M	24,900		
843	313	FIRE PROTECT SYS NON	400	07/85	08/86
217	552	35TH COMSEC MAINT FAC	600	09/85	07/86
		SUBTOTAL PROJECTS $1M & LESS	1,000		
		TOTAL	25,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88):	
510	MADIGAN GEN HOSP 3	90,000
141	CIDC FIELD OPERATIONS BLDG	2,600
141	BN HQ COMPLEX	8,500
179	IRETS MET	1,377
722	DINING FACILITY MOD LEWIS	1,190
722	DINING FACILITY MOD LEWIS	1,447
722	DINING FACILITY MOD LEWIS	1,315
179	MOUT RANGE	4,000
214	TACTICAL EQUIPMENT SHOPS	1,681
214	TACT EQUIP SHOP 29TH SIG	3,350
141	BN HQ & CLASSROOM HLTD	1,346
723	COMPANY OPER & SUPPLY HT	5,000
141	BN HQ HT	1,687
214	TACT EQUIP SHOP PATRIOT	8,376
841	WATER TREAT PLANT	3,494

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Lewis Washington

9. FUTURE PROJECTS: (...CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
141	BATTALION C&C, MLRS	1,600
723	COMPANY O&S, MLRS	1,850
141	BATTALION C&C MI BN	2,365
	SUBTOTAL PROJECTS OVER $1M	141,178
141	BN HQ HT	630
171	TRAINING FACILITY	859
	SUBTOTAL PROJECTS $1M & LESS	1,489
	TOTAL	142,667

10. MISSION OR MAJOR FUNCTIONS:

Responsible for command training and logistical support of a corps headquarters, and infantry division, non divisional support units, and active component, FORSCOM units assigned to I Corps, support to Madigan Army Medical Center, and Reserve Component summer training.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	9,954
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Lewis, Washington	4.PROJECT TITLE Refuse Incinerator Plant

5.PROGRAM ELEMENT 22696A	6.CATEGORY CODE 833	7.PROJECT NUMBER 468	8.PROJECT COST ($000) Auth 13,000 Approp 13,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				10,783
Building	SF	10,080	94.52	(953)
Heat Rec. Boilers/Inc Equip (3)	LS	-	-	(8,200)
Weight Scale	EA	1	18,446	(18)
Overhead Cranes	EA	2	115,167	(230)
300 kW Standby Generator	LS	-	-	(84)
See Cost Estimates (Continued)				(1,298)
Supporting Facilities				962
Electric Service	LS	-	-	(32)
Water, Sewer & Gas	LS	-	-	(22)
Steam, Chilled Water & Heat Distribution	LS	-	-	(822)
Paving, Walks, Curbs & Gutters	LS	-	-	(23)
Storm Drainage	LS	-	-	(5)
Site Improvement (27) Demolition (19)	LS	-	-	(46)
Communication	LS	-	-	(12)
Subtotal				11,745
Contingency (5.00%)				587
Total Contract Cost				12,332
Supervision, Inspection & Overhead (5.50%)				678
Total Request				13,010
Total Request (Rounded)				13,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an incinerator plant, with heat recovery, designed to burn 110 to 150 tons per day of solid waste. The incinerator plant will consist of two incinerator/heat recovery/air pollution control systems plus one standby system to be used during scheduled maintenance periods. The incinerator plant will be constructed near an existing oil-fired boiler plant which will require demolition of a structure. Steam/high temperature hot water (HTHW) distribution lines will connect the incinerator plant, and heating Plants 9 and 11. Heating will be provided for the office and restroom in the incinerator plant. Freeze protection will be provided for the working area. Support facilities include utilities, roads, and site improvements. Demolish one (1) building (2,750 SF).

11. REQUIREMENT: 190 TN ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct an incinerator plant with heat recovery systems.

REQUIREMENT: This project is required to extend the life of the Fort Lewis sanitary landfill. An estimated $2,400,000 is projected to be used in FY 87 to develop a new section of the landfill to prevent leachate formation (PN 541). In addition, the project will permit the shutdown of one of three steam/HTHW plants, which will help conserve fossil fuels.

CURRENT SITUATION: Solid waste is presently collected at Fort Lewis and

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Lewis, Washington		
4. PROJECT TITLE Refuse Incinerator Plant		5. PROJECT NUMBER 468

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Miscellaneous Equipment	LS	-	-	304
Scrubbers	EA	3	331,351	994
			Total	1,298

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

McChord AFB and taken to the Fort Lewis landfill for disposal. This method uses 2.89 acres of land per year compared with using 0.58 acres of land per year with incineration. Boiler Plants Number 9 and 10 currently use Number 6 fuel oil to HTHW for Fort Lewis. Plant Number 11 uses natural gas to produce steam. Each plant has its own separate distribution line.

IMPACT IF NOT PROVIDED: If this project is not provided, or if delayed beyond FY 87, the landfill permitting agency will deny Fort Lewis its landfill permit and will require that the landfill be closed. The state will fine Fort Lewis and issue a compliance order to stop groundwater pollution caused by leachate emanating from the existing landfill. In addition, Fort Lewis will miss the opportunity to save $804,000 per year in landfill savings plus 2.31 acres per year of land presently used for training. Also, 209,000 MBTU per year would be wasted.

ADDITIONAL: The major benefit of this project is the conservation of landfill space and the reduced size of the leachate treatment facility. This project is justified on the basis of land saved and the economic analysis, which indicates the cost effectivness of this project. Comparing the status quo with the proposed project, the result of the analysis shows an amortization period of 5.57 years.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
- (1) Status:
  - (a) Date Design Started .... FEB 85
  - (b) Percent Complete As Of January 1986 65
  - (c) Percent Complete As Of October 1986 100
  - (d) Date Design Complete .... AUG 86
- (2) Basis:
  - (a) Standard or Definitive Design - Yes ___ No X
  - (b) Where Design Was Most Recently Used ____________
- (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  - (a) Production of Plans and Specifications 7
  - (b) All Other Design Costs 603
  - (c) Total Cost 610

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Lewis, Washington		
4.PROJECT TITLE Refuse Incinerator Plant		5.PROJECT NUMBER 468

12. SUPPLEMENTAL DATA: (Continued)
A. Estimated Design Data: (Continued)
(3) Total Cost: (Continued) ($000)
(d) Contract 0
(e) In-house 610

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Lewis, Washington	4.PROJECT TITLE Landfill Upgrade

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 833	7.PROJECT NUMBER 541	8.PROJECT COST ($000) Auth 7,500 Approp 7,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,793
Landfill Closure:				
Cover Preparation	LS	-	-	(285)
Interim Cover (Sludge Pit)	LS	-	-	(56)
Final Cover System	LS	-	-	(2,817)
Access Roads	SY	1,600	21.23	(34)
See Cost Estimates (Continued)				(3,601)
Supporting Facilities				0
Subtotal				6,793
Contingency (5.00%)				340
Total Contract Cost				7,133
Supervision, Inspection & Overhead (5.50%)				392
Total Request				7,525
Total Request (Rounded)				7,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Upgrade the sanitary landfill to comply with state prohibition on leachate discharge into groundwater. Work will include sealing over the existing closed landfill areas with clay, excavating a new five-year landfill cell with clay lining and a gravel and perforated pipe leachate collection system. A second five-year landfill cell with clay lining and leachate collection system will be completed while the first cell is being filled to allow uninterrupted operation. A leachate treatment facility, a collection main system with sump, and additional fencing will also be constructed.

11. REQUIREMENT: 313,668 SY ADEQUATE: None SUBSTANDARD: 263,000 SY

PROJECT: Upgrade sanitary landfill.

REQUIREMENT: This project is required to upgrade an existing sanitary landfill to comply with the state prohibition on leachate discharge into groundwater.

CURRENT SITUATION: The sanitary landfill has a detectable surface leachate plume extending beyond the landfill boundaries. This leachate is formed by rainwater trickling through buried garbage and refuse. State and local regulations prohibit the operation of a sanitary landfill which produces detectable leachate migration beyond the landfill or into the groundwater

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Lewis, Washington		
4.PROJECT TITLE Landfill Upgrade		5.PROJECT NUMBER 541

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				-
Lined Ditches	LS	-	-	83
Drainage	LS	-	-	26
			Total	3,601

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
table. In order to comply with the terms of the landfill permit, renewable annually, the post must develop a downstream leachate collection and treatment facility at the existing site and provide for resource recovery. Project number 468, (FY87 MCA) "Incinerator with Heat Recovery", fulfills the condition of resource recovery and , therefore, the landfill project is dependent on PN 468.

IMPACT IF NOT PROVIDED: If this project is not provided, or if delayed beyond FY 87, the landfill permitting agency will deny Fort Lewis its landfill permit and will require that the landfill be closed. The state will fine Fort Lewis and issue a compliance order to stop groundwater pollution caused by leachate emanating from the existing landfill. Closure of the landfill would require Fort Lewis to find an alternate location for refuse disposal.

ADDITIONAL: Economic Analysis inidicates the cost effectiveness of this project. An economic analysis has been prepared comparing this project with the alternatives of closing the existing landfill and locating it elsewhere on post and hauling waste off post. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started ....JUN 85
- (b) Percent Complete As Of January 1986 70
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete ....JUN 86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 195
- (b) All Other Design Costs 100
- (c) Total Cost 295
- (d) Contract 240

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Lewis, Washington		
4.PROJECT TITLE Landfill Upgrade		5.PROJECT NUMBER 541

12. SUPPLEMENTAL DATA: (Continued)
    A. Estimated Design Data: (Continued)
        (3) Total Cost: (Continued) ($000)
            (e) In-house 55

        (4) Construction Start .... MAR 87
        month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Lewis, Washington	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 214	7.PROJECT NUMBER 553	8.PROJECT COST ($000) Auth 4,400 Approp 4,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,044
Tactical Equipment Shop	SF	19,206	75.15	(1,443)
Hardstand	SY	34,866	36.63	(1,277)
Equipment Storage Building	SF	4,200	38.22	(161)
POL Storage Building	SF	600	63.91	(38)
Sentry Station House	SF	80	229.62	(18)
See Cost Estimates (Continued)				(107)
Supporting Facilities				909
Electric Service	LS	-	-	(102)
Water, Sewer & Gas	LS	-	-	(89)
Paving, Walks, Curbs & Gutters	LS	-	-	(95)
Storm Drainage	LS	-	-	(146)
Site Improvement	LS	-	-	(303)
Communication	LS	-	-	(82)
Oil/Water Separator	LS	-	-	(92)
Subtotal				3,953
Contingency (5.00%)				198
Total Contract Cost				4,151
Supervision, Inspection & Overhead (5.50%)				228
Total Request				4,379
Total Request (Rounded)				4,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a tactical equipment maintenance complex consisting of a non-combustible shop building and deployment equipment storage building, a POL facility, and secured vehicle storage areas. Project includes required utilities, communications, fire protection, storm drainage, self-contained dual-fuel heating system, oil and water separators, sentry station, fencing, clear zones, and security lighting. Facilities include overhead cranes of 15 tons capacity for each of the large maintenance bays.

11. REQUIREMENT: 906,177 SF ADEQUATE: 401,177 SF SUBSTANDARD: 283,630 SF

PROJECT: Construct a tactical equipment maintenance complex.

REQUIREMENT: This project is required to satisfy the organizational maintenance needs of a combat battalion and an engineer/construction bridge company. More than 240 tactical wheeled vehicles and 20 tracked vehicles will be served.

CURRENT SITUATION: The 15th Engineer Battalion and the 73rd Bridge Company are presently located in deteriorated, World War II temporary-type buildings. There are insufficient electrical power, lighting, ventilation and other utilities in the buildings. There are no POL storage facilities, grease racks or other equipment needed for scheduled maintenance. Because of the small access door sizes, low ceiling heights and poor interior configuration, some

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Lewis, Washington		
4. PROJECT TITLE Tactical Equipment Shop		5. PROJECT NUMBER 553

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Fuel Dispensing Building	SF	120	165.11	20
Fuel Dispensing Facility	LS	-	-	87
			Total	107

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
maintenance is performed under field conditions, which results in postponing or neglecting the work during inclement weather. There are no adequate permanent facilities on post available for these units. Renovation of the temporary-type facilities in use is not economically feasible.

IMPACT IF NOT PROVIDED: If this project is not provided, these units will continue to share the existing, deteriorated, temporary-type facilities which are already overcrowded, or perform its required maintenance under field conditions. During periods of inclement weather, essential maintenance will be postponed or neglected if sheltered work space cannot be provided, affecting unit readiness and troop morale.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 95
(d) Date Design Complete ....OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used 9th Inf. Div. Hqs

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 140
(b) All Other Design Costs 60
(c) Total Cost 200
(d) Contract 140
(e) In-house 60

(4) Construction Start .... JAN 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Lewis, Washington		
4. PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 553

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort McPherson Georgia	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .87

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	820	1243	2259	0	0	0	13	23	2488	6,846
B. END FY 91	757	1010	2941	0	0	0	13	32	2229	6,982

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	505 AC
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY.................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM............................	2,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM........................	2,452
F. PLANNED IN NEXT THREE YEARS..	5,900
G. REMAINING DEFICIENCY...	0
H. GRAND TOTAL..	11,252

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
131	73	OPERATIONS FACILITY	2,900	09/85	08/86
		SUBTOTAL PROJECTS OVER $1M	2,900		
		TOTAL	2,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
872	ARMY HQ BLDG SEC UPGRADE	1,200
	SUBTOTAL PROJECTS OVER $1M	1,200
800	INSTALL STORM WINDOWS	500
740	CHILD CARE CENTERR	752
	SUBTOTAL PROJECTS $1M & LESS	1,252
	TOTAL	2,452
B. PLANNED NEXT THREE PROGRAM YEARS:		
721	BARRACKS W/DINING	3,300
740	LIBRARY/ED CENTER	2,600
	SUBTOTAL PROJECTS OVER $1M	5,900
	TOTAL	5,900

10. MISSION OR MAJOR FUNCTIONS:

To command, operate and administer the use of the resources of Fort Mcpherson and Fort Gillem to accomplish all assigned missions. Provide support to HQ Forscom, Second and Third U.S. Army and assigned geographic areas.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort McPherson Georgia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort McPherson, Georgia	4.PROJECT TITLE Operations Facility

5.PROGRAM ELEMENT 22698A	6.CATEGORY CODE 131	7.PROJECT NUMBER 73	8.PROJECT COST ($000) Auth 2,900 Approp 2,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,951
Building	SF	11,800	165.33	(1,951)
Supporting Facilities				651
Electric Service	LS	-	-	(456)
Water, Sewer & Gas	LS	-	-	(31)
Paving, Walks, Curbs & Gutters	LS	-	-	(29)
Storm Drainage	LS	-	-	(18)
Site Improvement	LS	-	-	(42)
Communication	LS	-	-	(66)
Fencing	LS	-	-	(9)
Subtotal				2,602
Contingency (5.00%)				130
Total Contract Cost				2,732
Supervision, Inspection & Overhead (5.50%)				150
Total Request				2,882
Total Request (Rounded)				2,900
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a highly secure facility to house intelligence and readiness training operations. Facility shall include five electrical communication hookups and three communications receiving antennas (OPA funded). Heating and air conditioning by self-contained systems. Support facilities to include utilities, communication and fire alarm systems, storm drainage and site works, shielding, raised floor for electronic equipment, halon fire system, uninterruptable power supply (UPS), generator set with automatic transfer switch and vault doors. Accessibility for the handicapped will be provided. Air conditioning: 60 tons.

11. REQUIREMENT: 12,000 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a primany control and analysis facility.

REQUIREMENT: This project is required to provide remoted signals and a secure facility in which to analyze them as part of the Army's Project Trojan. This project implements the critical concept of remoting live communications and intelligence signals from target areas and provides a "live" environment of the battlefield to soldiers being trained in communications and intelligence gathering and analysis. This mission requires the use of highly specialized equipment in a highly secure area and cannot be accomplished without this facility.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Fort McPherson, Georgia

4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 73

11. REQUIREMENT: (Continued)

CURRENT SITUATION: There are no facilities to house the required hardware, analytical and data support that are essentials for Project Trojan. The only method available to the command to provide soldiers with live environment training is to send them on extended TDY to OCONUS locations. This is not a cost effective method of training soldiers and it often results in personal hardships that impact on their morale and duty performance.

IMPACT IF NOT PROVIDED: If this project is not provided, Headquarters FORSCOM will be unable to participate in Project Trojan and to control its intelligence assets in operational mission environments. Individual soldiers and units will not have ready access to the "live environment" that is absolutely essential for maintenance of highly technical skills. Unit readiness will continue to be degraded by the absence of "live" target area data that is essential to mission success.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	Jul 85
(b) Percent Complete As Of January 1986	35
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	Aug 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	97
(b) All Other Design Costs	74
(c) Total Cost	171
(d) Contract	111
(e) In-house	60

(4) Construction Start .... Jan 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Ord California	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.24

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	2179	15251	1870	0	9	0	183	1360	1323	22,175
B. END FY 91	1843	14728	2571	53	369	0	81	165	293	20,103

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	28,042 AC
B. INVENTORY TOTAL AS OF 30 SEP 85....................	335,133
C. AUTHORIZATION NOT YET IN INVENTORY....................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................	6,550
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................	52,535
F. PLANNED IN NEXT THREE YEARS....................	72,683
G. REMAINING DEFICIENCY....................	0
H. GRAND TOTAL....................	466,901

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	366	PHYSICAL FITNESS CENTER	4,450	08/84	03/86
171	379	FLT SIM BLDG	2,100	06/85	06/86
		SUBTOTAL PROJECTS OVER $1M	6,550		
		TOTAL	6,550		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
211	MAINT HANGAR AVUM	9,677
141	BN HQ & CLASSROOM	4,399
723	COMPANY OPER & SUPPLY BLDG	7,863
141	BN HDQTRS BLDGS (7) ADDN'S	7,579
214	VEHICLE WASH FACILITY	1,953
111	HELICOPTER PARKING	2,962
740	CHILD CARE CENTER	3,333
740	RECREATION CENTER	5,827
421	AMMO STORAGE RELOCATION	7,283
	SUBTOTAL PROJECTS OVER $1M	50,876
800	ENERGY CONSERVATION MOD	630
131	TERMINAL EQUIPMENT BLDG	621
179	FIRE & MOVEMENT RANGE	408
	SUBTOTAL PROJECTS $1M & LESS	1,659
	TOTAL	52,535

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Ord California

10. MISSION OR MAJOR FUNCTIONS:

Support and training of an Infantry Division (Light), Silas B. Hays Army Community Hospital, and nondivisional units. Support for tenant, satellite, and reserve components activities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Ord, California	4. PROJECT TITLE Physical Fitness Training Center

5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 740	7. PROJECT NUMBER 366	8. PROJECT COST ($000) Auth 4,450 Approp 4,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,397
Phys Fitness Cntr w/Mech Sp	SF	25,900	87.76	(2,273)
Multi-Purp Field w/Artificl Turf	LS	-	-	(1124)
Supporting Facilities				641
Electric Service	LS	-	-	(48)
Water, Sewer & Gas	LS	-	-	(16)
Paving, Walks, Curbs & Gutters	LS	-	-	(162)
Storm Drainage	LS	-	-	(60)
Site Improvement (321) Demolition (27)	LS	-	-	(348)
Communication	LS	-	-	(7)
Subtotal				4,038
Contingency (5.00%)				202
Total Contract Cost				4,240
Supervision, Inspection & Overhead (5.50%)				233
Total Request				4,473
Total Request (Rounded)				4,450
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a physical fitness training center with a gas-fired, self-contained heating and ventilating system, fire alarm system, communications, utilities and site improvements. Reconstruct the multi-purpose field by lengthening and leveling the surface and installing synthetic turf. Demolish five (5) temporary-type wooden buildings (8,546 SF). Mechanical ventilation: 125,000 CFM.

11. REQUIREMENT: 161,000 SF ADEQUATE: 20,457 SF SUBSTANDARD: 24,667 SF

PROJECT: Construct a physical fitness training center.

REQUIREMENT: This project is required to provide an indoor and outdoor physical fitness training center for Light Division infantry personnel.

CURRENT SITUATION: Indoor training activities are conducted in a temporary-type wooden structure and in a smaller permanent facility. The former has limited capacity because of fire danger, and is not functionally adequate to meet the training demands of a Light Division. Shower and locker facilities are substandard in size and condition. The permanent building is adequate, but is extremely crowded and cannot adequately support the personnel who need to use it. The multi-purpose field, located next to a storage building, is uneven and difficult to maintain. This installation has no adequate multi-purpose field.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Ord, California		
4. PROJECT TITLE Physical Fitness Training Center	5. PROJECT NUMBER 366	

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not provided, the existing shortage of indoor and outdoor fitness facilities will continue to restrict the athletic activities necessary to maintain physical fitness of Light Division infantry personnel assigned to this installation.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started .... AUG 84
(b) Percent Complete As Of January 1986 80
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAR 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 100
(b) All Other Design Costs 83
(c) Total Cost 183
(d) Contract 3
(e) In-house 180

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Ord, California	4. PROJECT TITLE Flight Simulator Building

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 171	7. PROJECT NUMBER 379	8. PROJECT COST ($000) Auth 2,100 Approp 2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,549
Flight Simulator Bldg	SF	15,372	100.76	(1,549)
Supporting Facilities				364
Electric Service	LS	-	-	(37)
Water, Sewer & Gas	LS	-	-	(71)
Paving, Walks, Curbs & Gutters	LS	-	-	(34)
Storm Drainage	LS	-	-	(4)
Site Improvement	LS	-	-	(189)
Communication	LS	-	-	(29)
Subtotal				1,913
Contingency (5.00%)				96
Total Contract Cost				2,009
Supervision, Inspection & Overhead (5.50%)				111
Total Request				2,120
Total Request (Rounded)				2,100
Installed Equipment - Other Appropriations				(9,000)

10. Description of Proposed Construction Construct a flight simulator building to accommodate the synthetic flight training system for the UH-60 Helicopter. Project to include fluorescent and halide lighting, gas-fired heating plant, smoke detectors, local fire alarm system, halon fire extinguishing system, telephone system, connections to installation utility systems, energy management system, and parking. Heating and air conditioning by self-contained systems. Air conditioning: 100 tons.

11. REQUIREMENT: 20,000 SF ADEQUATE: 7,222 SF SUBSTANDARD: None

PROJECT: Construct a UH-60 flight simulator building.

REQUIREMENT: This project is required to provide a permanent structure to house the Synthetic Flight Training System (SFTS) for the UH-60 Utility Helicopter. The system is scheduled for delivery in FY 88; UH-60 Helicopters are due October 1985. Facility is needed for qualification, refresher, and annual training of UH-60 Pilots in Aviation, Active Military, Reserve components, and National Guard units in California, Arizona, Nevada, and Utah.

CURRENT SITUATION: There is no building at this installation that can accommodate the special design requirements of the Synthetic Flight Training System for the UH-60 Helicopter. Fort Ord has one flight simulator building that houses the 2B24 SFTS for the UH-1 Helicopter. Over 600 pilots from

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Ord, California		
4.PROJECT TITLE Flight Simulator Building		5.PROJECT NUMBER 379

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
active and reserve-component units in California, Arizona, Nevada, and Utah train annually in instrument flying and rotary-wing emergency procedures at this facility. There is no flight simulator training at Fort Ord for AH-1 Helicopters currently assigned to this installation.

IMPACT IF NOT PROVIDED: If this project is not provided prior to the FY 88 system delivery date, UH-60 pilot training with the 2B38 simulation system will require indefinite posponement or temporary duty at a remote installation. Significant adverse impact on pilot training and unit operational readiness will result.

ADDITIONAL: An Economic Analysis comparing this project with the alternative of rented facility indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	JUN 85
(b) Percent Complete As Of January 1986	40
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	165
(b) All Other Design Costs	184
(c) Total Cost	349
(d) Contract	1
(e) In-house	348

(4) Construction Start .... APR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
FLIGHT SIM SYSTEM	OPA	87	8000
		TOTAL	8,000

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Polk Louisiana	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .94

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1307	13274	2631	0	0	0	9	46	2271	19,538
B. END FY 91	1538	13178	2549	108	0	0	12	0	1662	19,047

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 198,375 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	533,140
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	27,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	23,131
F. PLANNED IN NEXT THREE YEARS	64,793
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	648,064

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179	259	MULTI PURPOSE RANGE	27,000	09/85	11/86
		SUBTOTAL PROJECTS OVER $1M	27,000		
		TOTAL	27,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
141	BN HQ & CLASSROOM 2BSB	2,350
179	MOUT RANGE	6,707
442	DEPLOYMENT STORAGE BLDG (6	1,405
179	MULTIPURPOSE RANGE UPGRADE	11,400
	SUBTOTAL PROJECTS OVER $1M	21,862
422	ARMS VAULTS	438
214	CENTRAL WASH FACILITY MOD	831
	SUBTOTAL PROJECTS $1M & LESS	1,269
	TOTAL	23,131

10. MISSION OR MAJOR FUNCTIONS:

The primary mission is to support a Combat Mechanized Infantry Division under the purview of US Army Forces Command. Training and development of tactical forces for active and reserve components as well as for National Guard are included.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Polk Louisiana

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Polk, Louisiana	4. PROJECT TITLE Multi-Purpose Range Complex

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 179	7. PROJECT NUMBER 259	8. PROJECT COST ($000) Auth 27,000 Approp 27,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				14,760
Control Tower	EA	1	126,391	(126)
Personnel/Storage Building	SF	800	75.79	(61)
General Instruction Building	SF	1,500	62.07	(93)
Latrine	SF	760	165.92	(126)
Covered Bleachers	SF	544	27.04	(15)
See Cost Estimates (Continued)				(14,339)
Supporting Facilities				10,060
Electric Service	LS	-	-	(1,330)
Water, Sewer & Gas	LS	-	-	(33)
Paving, Walks, Curbs & Gutters	LS	-	-	(18)
Storm Drainage	LS	-	-	(3,068)
Site Improvement	LS	-	-	(5,576)
Communication	LS	-	-	(35)
Subtotal				24,820
Contingency (5.00%)				1,241
Total Contract Cost				26,061
Supervision, Inspection & Overhead (5.50%)				1,433
Total Request				27,494
Total Request (Rounded)				27,000
Installed Equipment - Other Appropriations				(7,929)

10. Description of Proposed Construction Construct a multi-purpose range complex composed of three lanes with two course roads for each lane and a new two-lane access road. Support facilities include targetry, course roads, storm drainage, and repave six miles of Mill Creek Road . An existing unimproved Restricted Road requires widening to two lanes. The Range Complex Assembly Area will include the classroom, operations and mess facility, the vault latrine, shower facility, new water well, twenty-vehicle maintenance area, ammunition loading dock with lighting, 40-foot Range Control Tower and electrical distribution system. Heating will be provided in all buildings by a self-contained plant. Relocation of an existing dry-fire TOW missle range is included. Air conditioning: 3 tons. Mechanical ventilation: 3,000 CFM.

11. REQUIREMENT: 1 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a multi-purpose range complex.

REQUIREMENT: This project is required to support the gunnery and tactical training tasks associated with the Infantry and Cavalry Fighting Vehicle (M2, M3), the AH64 and the Abrams Main Battle Tank (M1). It is necessary to accommodate the arrival of the M1 Abrams Main Battle Tank in 1988 and the M2/M3 beyond that.

CURRENT SITUATION: Existing Live Fire Exercise Ranges are not configured to

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Polk, Louisiana		
4.PROJECT TITLE Multi-Purpose Range Complex		5.PROJECT NUMBER 259

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Covered Mess	SF	1,000	18.69	19
Ammo Breakdown Building	SF	120	128.83	15
Ammo-Loading Dock	EA	1	108,335	108
Moving Armor Target Emplacement	EA	12	223,211	2,679
Sta. Armor Target Emplacement	EA	60	10,638	638
Moving Infantry Target Emplacemt	EA	45	6,636	299
Sta. Infantry Target Emplacement	EA	153	1,073	164
Defilade Positions	EA	30	21,374	641
Foxholes	EA	12	1,854	22
Forward Assembly Area, Gravel	SY	3,000	11.81	35
Course Road, Gravel	SY	266,800	9.27	2,474
Target Access Road, Gravel	SY	170,000	9.27	1,576
Complex Access Road, Gravel	SY	105,000	9.27	974
Tow Relocation, Gravel	SY	40,600	9.27	376
Company Assembly Area, Gravel	SY	9,500	9.27	88
Low Water Crossing Course Rd	EA	5	136,649	683
Concrete Crossing Course Road	EA	47	2,293	108
Upgrade Restricted Rd, Gravel	SY	67,000	9.27	621
Improve Mill Creek Road	LF	32,000	17.06	547
Replace Bridge	EA	5	131,769	659
Low Water Crossing in Access Rd	EA	1	169,726	170
Range Electrical Distribution	LF	131,000	8.42	1,103
Data Cable	LF	120,000	2.83	340
			Total	14,339

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

support present gunnery requirements. They were designed to accommodate the firing capability of the older M48/M60 tanks and M113 APC. These ranges are poorly equipped and lack thermal target capabilities necessary to fully challenge the new weapons system potential. Specifically, the existing ranges do not provide the fire on the move and multiple moving target engagement environment so necessary for modern warfare.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Polk will have no facilities in which to house the Abrams Main Battle Tank (M1), thus adversely affecting training and combat readiness.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... SEP 85

(b) Percent Complete As Of January 1986 35

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Polk, Louisiana

4.PROJECT TITLE Multi-Purpose Range Complex	5.PROJECT NUMBER 259

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(c) Percent Complete As Of October 1986 85

(d) Date Design Complete .... NOV 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used FT HOOD, TX

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 1149

(b) All Other Design Costs 823

(c) Total Cost 1,972

(d) Contract 1535

(e) In-house 437

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Range Control Statio	PMTRADE-OPA	1987	164
Target Mechanisms	PMTRADE-OPA	1987	1255
INF Moving Carrier	PMTRADE-OPA	1987	961
INF Host Fire Sim	PMTRADE-OPA	1987	343
INF Night Muz Sim	PMTRADE-OPA	1987	147
Armor Tgt Kill Sim	PMTRADE-OPA	1987	375
Hostile Fire Sim	PMTRADE-OPA	1987	674
Target Interface Uni	PMTRADE-OPA	1987	974
Low Pow Box Stat.TGT	PMTRADE-OPA	1987	323
High Pow Box Stat TG	PMTRADE-OPA	1987	103
Auto Tank TGT Adapt	PMTRADE-OPA	1987	125
Tank Gun Hold Mech	PMTRADE-OPA	1987	687
Armor Moving TGT Car	PMTRADE-OPA	1987	1798
		TOTAL	7,929

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Richardson Alaska	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.92

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	413	3444	1235	0	0	0	78	537	141	5,848
B. END FY 91	580	5205	39	83	207	0	76	217	596	7,003

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE............ 63,438 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	198,428
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	11,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	25,938
F. PLANNED IN NEXT THREE YEARS....................................	45,654
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	281,220

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	289	BARRACKS MOD - LID	11,200	05/85	09/86
		SUBTOTAL PROJECTS OVER $1M	11,200		
		TOTAL	11,200		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
214	TACT EQUIP SHOP LID	5,213
721	BARRACKS	18,700
141	BATTALION HQ	2,025
	SUBTOTAL PROJECTS OVER $1M	25,938
	TOTAL	25,938
B. PLANNED NEXT THREE PROGRAM YEARS:		
171	NCO ACADEMY	17,856
171	BATTLE SIM CTR (LID)	7,748
	SUBTOTAL PROJECTS OVER $1M	25,604
	TOTAL	25,604

10. MISSION OR MAJOR FUNCTIONS:

The mission is the defense of Alaska and the initial defense of the Aleutian Islands.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

DD 1 FORM DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Richardson Alaska

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (CONTINUE)

	($000)
B. WATER POLLUTION	1,070
C. OCCUPATIONAL SAFETY AND HEALTH	4,350

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Richardson, Alaska	4. PROJECT TITLE Barracks Modernization

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 721	7. PROJECT NUMBER 289	8. PROJECT COST ($000) Auth 11,200 Approp 11,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				9,496
Barracks Modernization (3 Bldgs)	SF	130,080	73.00	(9,496)
Supporting Facilities				225
Electric Service	LS	-	-	(150)
Communication	LS	-	-	(75)
Subtotal				9,721
Contingency (10.00%)				972
Total Contract Cost				10,693
Supervision, Inspection & Overhead (5.50%)				588
Total Request				11,281
Total Request (Rounded)				11,200
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Modernize three (3) barracks. Work will include development of administrative and storage space, an upgrade of all utilities, interior stairs, windows, communications, and other site work.

11. REQUIREMENT: 2,327 PN ADEQUATE: 2,030 PN SUBSTANDARD: 653 PN

PROJECT: Modernize three (3) barracks.

REQUIREMENT: This project is required to provide adequate housing for 306 E1-E4, 15 E5-E7, 9 E7-E9 (intended utilization), with a maximum utilization of 372 .

CURRENT SITUATION: This project will provide adequate housing space for troop level increases resulting from the stationing of the new Light Infantry Division in Alaska. Deficiencies include: substandard utility service and ventilation, inadequate space allocations, bleak interior aesthetics, and chronic noise problems due to structural composition of buildings. Due to the long, dark, and frigid Alaskan winters, troops will spend many hours each day in their quarters. No other facilities exist to satisfy this requirement.

IMPACT IF NOT PROVIDED: If this project is not provided, incoming troops will occupy substandard living quarters. Present inefficient configuration, resulting due to Army housing standards changes, restricts efficient use of present facilities.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Richardson, Alaska		
4.PROJECT TITLE Barracks Modernization		5.PROJECT NUMBER 289

11. REQUIREMENT: (Continued)
ADDITIONAL: An Economic Analysis comparing this project with the alternative of new construction indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAY 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No
(b) Where Design Was Most Recently Used Fort Richardson

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 200
(b) All Other Design Costs 50
(c) Total Cost 250
(d) Contract 0
(e) In-house 250

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Riley Kansas	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .97

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1453	14840	2670	8	0	0	345	788	0	20,104
B. END FY 91	1618	13877	2579	8	0	0	66	206	0	18,354

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	100,752 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,500
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	30,957
F. PLANNED IN NEXT THREE YEARS	100,879
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	144,336

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	339	CHILD CARE CENTER	4,250	07/85	06/86
721	403	BARRACKS MOD IV CH	6,100	05/85	07/86
841	405	WATER TREATMENT PLANT	2,150	11/85	08/86
		SUBTOTAL PROJECTS OVER $1M	12,500		
		TOTAL	12,500		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
722	DINING FACILITY MOD RILEY	1,083
179	MOUT RANGE	5,000
214	TACTICAL EQUIPMENT SHOP	12,400
723	COMPANY OPER & SUPPLY	2,531
171	FLIGHT SIMULATOR	2,274
422	ARMS STORAGE FAC	2,222
179	MULTI PURP TNG RNG	5,447
	SUBTOTAL PROJECTS OVER $1M	30,957
	TOTAL	30,957

10. MISSION OR MAJOR FUNCTIONS

Support and training of the 1st Infantry Division (Mech) and other non divisional support units. Supports the US Army Correctional Activity, a ROTC Region Readiness Group, and Reserve Components Training.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Riley Kansas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Riley, Kansas	4.PROJECT TITLE Child Development Center

5.PROGRAM ELEMENT 22696A	6.CATEGORY CODE 740	7.PROJECT NUMBER 339	8.PROJECT COST ($000) Auth 4,250 Approp 4,250

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,886
Building (303 Children)	SF	23,364	76.13	(1,779)
Building (145 Children)	SF	11,280	78.08	(881)
Outdoor Storage	SF	660	37.92	(25)
Playground (2 areas)	LS	-	-	(201)
Supporting Facilities				961
Electric Service	LS	-	-	(41)
Water, Sewer & Gas	LS	-	-	(195)
Paving, Walks, Curbs & Gutters	LS	-	-	(181)
Storm Drainage	LS	-	-	(22)
Site Improvement (349) Demolition (105)	LS	-	-	(454)
Communication	LS	-	-	(68)
Subtotal				3,847
Contingency (5.00%)				192
Total Contract Cost				4,039
Supervision, Inspection & Overhead (5.50%)				222
Total Request				4,261
Total Request (Rounded)				4,250
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a child development center consisting of two buildings complete with utilities, fire protection, roads, walks, parking areas, storm drainage, site improvements, landscaping, fenced play areas, and playground equipment. Heating and air-conditioning will be from self-contained systems. Project also includes improvements to widen 1st Division Road at the entrance to the large center to facilitate traffic flow (four lanes to include left turn lane and accel/decel lanes). Air Conditioning: 145 Tons. Demolition of three buildings (35,744 SF). Accessibility for the handicapped will be provided.

11. REQUIREMENT: 126,825 SF ADEQUATE: None SUBSTANDARD: 16,504 SF

PROJECT: Construct a child development center consisting of two buildings in two locations in the Custer Hill area.

REQUIREMENT: Construct two buildings with capacities of 303 children and 150 children to serve as the Child Development Center. The total identified requirement is 1,563 children. Two 145 child facilities are planned for later years to help meet this requirement. The remainder of child care needs will be met in regulated family child care homes.

CURRENT SITUATION: The existing child development programs operate in three substandard buildings that cannot be cost-effectively renovated to comply with

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Riley, Kansas

4.PROJECT TITLE Child Development Center	5.PROJECT NUMBER 339

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
fire, health and safety standards. The child development center, with a capacity of 157 children, is located near the post confinement facility, three miles from the Custer Hill housing area where 80 percent of the population to be served resides. The two preschool facilities, with a capacity of 25 children each, are located five miles from the Custer Hill area.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate child care and development services to meet current and projected family needs will not be provided. Current child care services will continue to operate in substandard and undersized facilities. Military families will be deprived of reliable child care services and many will have few choices other than care in unregulated homes. The morale of soldiers and their families will continue to be adversely affected until adequate child care services are available on Fort Riley.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started ....AUG 85
- (b) Percent Complete As Of January 1986 35
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete ....AUG 86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 192
- (b) All Other Design Costs 201
- (c) Total Cost 393
- (d) Contract 258
- (e) In-house 135

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Riley, Kansas	4.PROJECT TITLE Barracks Modernization

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 721	7.PROJECT NUMBER 403	8.PROJECT COST ($000) Auth 6,100 Approp 6,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,906
Barracks Mod. (3 Buildings)	SF	125,676	39.04	(4,906)
Supporting Facilities				342
Electric Service	LS	-	-	(53)
Site Improvement	LS	-	-	(39)
Communication	LS	-	-	(250)
Subtotal				5,248
Contingency (10.00%)				525
Total Contract Cost				5,773
Supervision, Inspection & Overhead (5.50%)				318
Total Request				6,091
Total Request (Rounded)				6,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Upgrade three barracks to current standards including improvements to troop administrative and storage areas. Work to include installation of partitions, improved latrine facilities, fire detectors/alarms, electrical outlets, improved lighting, modification to heating and air conditioning systems, painting, site improvements, and communications.

11. REQUIREMENT: 7,410 PN ADEQUATE: 5,365 PN SUBSTANDARD: 3,876 PN

PROJECT: Modernize three barracks, including troop administrative and storage areas.

REQUIREMENT: This project is required to provide adequate housing for 498 E1-E4 and 36 E5-E6 enlisted personnel (intended utilization), a maximum utilization of 570.

CURRENT SITUATION: These barracks were constructed in FY 67 and FY 68 as troop billets with eight-man squad rooms. The barracks lack amenities and facilities authorized for enlisted personnel. Gang latrines and showers are shared by approximately 80 soldiers per floor. The existing fixtures and partitions were installed as part of a modification in the early 1970s. The air conditioning and heating systems, however, could not be modified because of their original design to support open bays, resulting in undesirable

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Riley, Kansas		
4.PROJECT TITLE Barracks Modernization		5.PROJECT NUMBER 403

climatic conditions. This project is the fourth of seven phases to modernize the existing permanent barracks.

IMPACT IF NOT PROVIDED: If this project is not provided, the lack of adequate, modern living facilities for these personnel will continue to have an adverse impact on mission accomplishment, troop morale and retention.

ADDITIONAL: An Economic Analysis comparing this project with the alternatives of leasing community assets and new construction indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAY 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 120

(b) All Other Design Costs 390

(c) Total Cost 510

(d) Contract 200

(e) In-house 310

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Riley, Kansas	4.PROJECT TITLE Primary Water Supply Connection

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 841	7.PROJECT NUMBER 405	8.PROJECT COST ($000) Auth 2,150 Approp 2,150

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,962
Emergency Generator Building	SF	352	192.27	(68)
Water Trans Line-24 In	LF	12,600	93.32	(1,176)
Water Trans Line 24in River Cros	LF	600	447.98	(269)
Supervisory Control and Data Acquisition System	LS	-	-	(395)
See Cost Estimates (Continued)				(54)
Supporting Facilities				0
Subtotal				1,962
Contingency (5.00%)				98
Total Contract Cost				2,060
Supervision, Inspection & Overhead (5.50%)				113
Total Request				2,173
Total Request (Rounded)				2,150
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction The Project includes the guaranteed delivery of 5 MGD of unused portion from Junction City's existing plant, a 5 MGD plant expansion to their facility to include high-service pumps, necessary additional water storage, and a transmission line to the installation boundary, and then to existing distribution system in Camp Forsyth, and the deactivation of six of the eight existing water wells on Fort Riley. The work includes a river crossing for the pipeline, a wireless radio frequency control (RFC) system, capping of water lines at the main on Fort Riley in support of the well deactivation, construction of a transmission line, and a generator building to house an existing emergency generator.

11. REQUIREMENT: 10,000 KG ADEQUATE: None SUBSTANDARD: 9,360 KG

PROJECT: Construct a transmission system on post and connect to a private water treatment plant.

REQUIREMENT: The connection to Junction City's treated water supply is required in order to alleviate the continued use of poor quality water. Discoloration, hardness and taste are primary causes of these problems which render the water supply unsuitable for consumption, laundry, and other domestic uses.

CURRENT SITUATION: The quality of water in the Republican River Valley is

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Riley, Kansas		
4.PROJECT TITLE Primary Water Supply Connection		5.PROJECT NUMBER 405

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
			Total	54

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
very poor, even though it is the best source of water available. It contains considerable hardness (300-400 mg/l as calcium carbonate) which far exceeds the desirable level (120 mg/l). There are also considerable amounts of iron (0.01 to 1.7 mg/l) and manganese (0.05 to 0.75 mg/l) which exceed the Kansas State Secondary Drinking Water Standards of 0.30 mg/l iron and 0.05 mg/l manganese. These combinations cause potability problems due to color, taste, and odor. The occurrences of discolored water have resulted in damage to clothing during laundry operations, staining of plumbing fixtures and unpalatable drinking water. The high hardness leads to early failure of hot water heaters, heat exchangers, and other government-owned domestic and industrial equipment. There is a need for additional chemical treatments (soaps, salt, boiler water treatments, etc.) in order to maintain efficient operations. In addition, energy consumption is increased due to the lower thermal efficiencies of heating and cooling surfaces.

IMPACT IF NOT PROVIDED: Failure to provide this project will lead to continuing hardship to the water consumers at Fort Riley as they try to cope with the substandard water quality. Continued complaints and claims against the government due to damaged personal property will occur as well as growing resentment with the goverment for denying the residents a reliable supply of good quality water, a basic necessity of modern living.

ADDITIONAL: An economic analysis has been conducted of alternatives identified as meeting the basic project objective and the proposed project shows the lowest lifecycle cost.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
- (1) Status:
  - (a) Date Design Started ....NOV 85
  - (b) Percent Complete As Of January 1986 ....35%
  - (c) Percent Complete As Of October 1986 100
  - (d) Date Design Complete ....JUL 86
- (2) Basis:
  - (a) Standard or Definitive Design - Yes ___ No X
  - (b) Where Design Was Most Recently Used ____________________
- (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  - (a) Production of Plans and Specifications 100

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Riley, Kansas		
4.PROJECT TITLE Primary Water Supply Connection		5.PROJECT NUMBER 405

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

		($000)
(3)	Total Cost: (Continued)	
	(b) All Other Design Costs	70
	(c) Total Cost	170
	(d) Contract	100
	(e) In-house	70
(4)	Construction Start	DEC 86 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Presidio of San Francisco California	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.25

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	927	1573	2996	54	105	159	1	24	606	6,445
B. END FY 91	810	1164	2534	0	17	0	0	0	478	5,003

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	1 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	124,610
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,100
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	2,460
F. PLANNED IN NEXT THREE YEARS	64,191
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	196,369

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	124	BARRACKS PRES SAN FR	5,100	04/85	07/86
		SUBTOTAL PROJECTS OVER $1M	5,100		
		TOTAL	5,100		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
310	MODIFICATIONS TO LAIR	2,460
	SUBTOTAL PROJECTS OVER $1M	2,460
	TOTAL	2,460
B. PLANNED NEXT THREE PROGRAM YEARS :		
510	LETTERMAN ARMY HOSP ADD	33,875
724	BACHELOR OFFICERS QTRS	12,393
442	CONSOL SUPPLY FACILITY	7,459
610	CONV BKS TO GP ADM	6,332
	SUBTOTAL PROJECTS OVER $1M	60,059
	TOTAL	60,059

10. MISSION OR MAJOR FUNCTIONS:

The Presidio of San Francisco is a regional headquarters providing housing, work facilities, and administrative and logistical support to Headquarters Sixth US Army, Letterman Army Medical Center, Letterman Army Institute of Research, Federal Emergency Management Agency, and to units and activities on the subinstallations of East Fort Baker, Rio Vista USAR facility, Parks Reserve Forces Training Area, and Hamilton Army Airfield.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Presidio of San Francisco California

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE
ARMY		14 FEB 86

3.INSTALLATION AND LOCATION	4.PROJECT TITLE
Presidio of San Francisco, California	Barracks

5.PROGRAM ELEMENT	6.CATEGORY CODE	7.PROJECT NUMBER	8.PROJECT COST ($000)
22696A	721	124	Auth 5,100 Approp 5,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,779
Barracks	SF	44,800	78.10	(3,499)
Special Foundation	LS	-	-	(280)
Supporting Facilities				869
Electric Service	LS	-	-	(92)
Water, Sewer & Gas	LS	-	-	(73)
Paving, Walks, Curbs & Gutters	LS	-	-	(129)
Storm Drainage	LS	-	-	(32)
Site Improvement (394) Demolition (82)	LS	-	-	(476)
Communication	LS	-	-	(67)
Subtotal				4,648
Contingency (5.00%)				232
Total Contract Cost				4,880
Supervision, Inspection & Overhead (5.50%)				268
Total Request				5,148
Total Request (Rounded)				5,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks with a concrete first floor supported by pile foundations and the second and third floors of precast concrete panels with the roof system supported by structural steel. Pile foundations will be required to an estimated depth of 50 or 60 feet. Work will include fire detection/alarm system, parking, and site improvements including extensive cut and fill. Demolish (6) temporary-type and semi-permanent buildings (68,758 SF). Heating by central energy plant. Mechanical ventilation: 134,000 CFM.

11. REQUIREMENT: 746 PN ADEQUATE: 114 PN SUBSTANDARD: 930 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 64 E1-E4, 32 E5-E7, 24 E7-E9 (intended utilization), with a maximum utilization of 224.

CURRENT SITUATION: Presidio housing needs are presently met through use of diverted family housing permanent buildings, one temporary-type World War II diverted Bachelor Officers Quarters, one temporary-type wood frame inadequate Senior Bachelor NCO building, and six substandard (cannot be made adequate) and seismically unsafe permanent buildings. Off-post housing is extremely scarce, and rental rates for available housing exceed the authorized Basic

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Presidio of San Francisco, California		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 124

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Allowance for Quarters for enlisted personnel.
IMPACT IF NOT PROVIDED: If this project is not provided, enlisted personnel will be forced to continue living in substandard/unsafe facilities. This condition discourages reenlistment of trained and experienced personnel and downgrades effectiveness of promotional recruiting programs.
ADDITIONAL: Economic Analysis indicates the cost effectiveness of this project. An economic analysis has been prepared comparing this project with the alternative of New Construction on the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUN 85

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used PRESIDIO OF SF

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 222
(b) All Other Design Costs 138
(c) Total Cost 360
(d) Contract 300
(e) In-house 60

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Sheridan Illinois	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.10

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	364	1030	1524	0	0	0	0	0	0	2,918
B. END FY 91	523	1575	1585	0	0	0	0	0	0	3,683

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	695 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	37,472
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,577
F. PLANNED IN NEXT THREE YEARS	2,893
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	45,992

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	154	BARRACKS FT SHERIDAN	2,050	09/35	06/86
		SUBTOTAL PROJECTS OVER $1M	2,050		
		TOTAL	2,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
740	CHILD DEVELOPMENT CENTER	2,250
	SUBTOTAL PROJECTS OVER $1M	2,250
722	DINING FACILITY MOD SHRDN	533
442	GENERAL PURPOSE WAREHOUSE	794
	SUBTOTAL PROJECTS $1M & LESS	1,327
	TOTAL	3,577
B. PLANNED NEXT THREE PROGRAM YEARS		
740	PHYSICAL FITNESS CENTER	2,893
	SUBTOTAL PROJECTS OVER $1M	2,893
	TOTAL	2,893

10. MISSION OR MAJOR FUNCTIONS:

Fort Sheridan is an administrative command and logistic support center for midwest activities. This facility provides support to all assigned personnel and units including Headquarters, Fourth U.S. Army, Headquarters, United States Recruting Command, U.S. Army Midwest Region Recruiting Command and numerous other smaller tenant units.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Sheridan Illinois

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Sheridan, Illinois	4. PROJECT TITLE Barracks

5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 721	7. PROJECT NUMBER 154	8. PROJECT COST ($000) Auth 2,050 Approp 2,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,344
Barracks	SF	20,000	67.22	(1,344)
Supporting Facilities				515
Electric Service	LS	-	-	(35)
Water, Sewer & Gas	LS	-	-	(5)
Paving, Walks, Curbs & Gutters	LS	-	-	(62)
Site Improvement (78) Demolition (330)	LS	-	-	(408)
Communication	LS	-	-	(5)
Subtotal				1,859
Contingency (5.00%)				93
Total Contract Cost				1,952
Supervision, Inspection & Overhead (5.50%)				107
Total Request				2,059
Total Request (Rounded)				2,050
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a barracks. Work will include all required utilities, fire protection/alarm system, intrusion detection system (IDS) and site improvements. Heating and air conditioning from self-contained systems. Demolition of nineteen (19) temporary buildings (72,390 SF). Air conditioning: 36 tons.

11. REQUIREMENT: 372 PN ADEQUATE: 112 PN SUBSTANDARD: 1,335 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 68 E1-E4, 12 E5-E7, 2 E7-E9 (intended utilization), with a maximum utilization of 100.

CURRENT SITUATION: Fort Sheridan has one permanent enlisted barracks, with 112 billet spaces. A total of 230 personnel are currently housed in eighteen (18) substandard temporary type World War II barracks. These buildings are costly to maintain and are deficient in many areas including troop amenities, safety, and comfort. Major deficiencies include structural problems, having only central gang latrines, severe problems with heating and ventilation since the open bay areas were enclosed with temporary partitions to meet Army space requirements, inadequate privacy for troops, and finally the general overall deterioration of these 45-year-old wooden structures.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Sheridan, Illinois		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 154

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not provided, it will be necessary to rehabilitate the eighteen (18) temporary units at a cost of approximately three million dollars.

ADDITIONAL: An Economic Analysis comparing this project with the alternatives of contractor operated facilities and barracks upgrade indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  (1) Status:
    (a) Date Design Started ....SEP 85
    (b) Percent Complete As Of January 1986 50
    (c) Percent Complete As Of October 1986 100
    (d) Date Design Complete ....MAY 86

  (2) Basis:
    (a) Standard or Definitive Design - Yes X No ___
    (b) Where Design Was Most Recently Used Ft. Stewart, GA. (Barra

  (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    (a) Production of Plans and Specifications 109
    (b) All Other Design Costs 45
    (c) Total Cost 154
    (d) Contract 124
    (e) In-house 30

  (4) Construction Start .... MAR 87
  month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Stewart Georgia	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX .84

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1768	16050	4687	0	0	0	0	0	0	22,505
B. END FY 91	1932	16727	4706	0	0	0	0	0	0	23,365

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 284,640 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	368,272
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,550
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	20,993
F. PLANNED IN NEXT THREE YEARS	141,480
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	532,295

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	314	FLIGHT SIMULATOR BLDG	1,550	06/85	05/86
		SUBTOTAL PROJECTS OVER $1M	1,550		
		TOTAL	1,550		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
179	MOUT RANGE	3,700
171	RANGE CONTROL/TRNG AIDS	5,314
723	CO ADMIN & SUPPLY HAAF	3,390
141	BN HQS & CLASSRM HAAF	5,986
730	UNIT CHAPEL	1,174
	SUBTOTAL PROJECTS OVER $1M	19,564
214	TACT EQUIP SHOP 24ID	975
800	REPLACE ESLS ECIP HAAF	454
	SUBTOTAL PROJECTS $1M & LESS	1,429
	TOTAL	20,993

10. MISSION OR MAJOR FUNCTIONS:

Support and training of an Infantry Division (Mech) and non-divisional support units, and provide support for tenant and satellited activities and Reserve Components training.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Stewart Georgia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (...CONTINUE)

	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Hunter Army Air Field Fort Stewart, Georgia	4.PROJECT TITLE Flight Simulator Building

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 171	7.PROJECT NUMBER 314	8.PROJECT COST ($000) Auth 1,550 Approp 1,550

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,110
Flight Simulator Building	SF	14,600	76.03	(1,110)
Supporting Facilities				310
Electric Service	LS	-	-	(146)
Water, Sewer & Gas	LS	-	-	(40)
Paving, Walks, Curbs & Gutters	LS	-	-	(12)
Storm Drainage	LS	-	-	(18)
Site Improvement	LS	-	-	(50)
Communication	LS	-	-	(44)
Subtotal				1,420
Contingency (5.00%)				71
Total Contract Cost				1,491
Supervision, Inspection & Overhead (5.50%)				82
Total Request				1,573
Total Request (Rounded)				1,550
Installed Equipment - Other Appropriations				(24,660)

10.Description of Proposed Construction Construction of a flight simulator building to include all required utilities, fire protection system, storm drainage, communications, and site improvements. Heating and cooling to be provided by a self-contained unit. Air conditioning: 46 tons. Mechanical ventilation: 30,000 CFM.

11. REQUIREMENT: 19,480 SF ADEQUATE: 4,880 SF SUBSTANDARD: None

PROJECT: Construct a flight simulator building.

REQUIREMENT: This project is required to provide a permanent facility to house the Synthetic Flight Training System (SFTS) for the UH-60 (Blackhawk) helicopter expected to arrive in FY 87.

CURRENT SITUATION: Flight training requirements for the UH-60 are currently met through use of the actual aircraft, unnecessarily exposing instructors and pilots to significant safety hazards on a daily basis, contributing to high fuel consumption, increasing aircraft wear, and resulting in costly maintenance. There are no other facilities available to support the UH-60 mission requirements.

IMPACT IF NOT PROVIDED: Lack of the UH-60 SFTS will perpetuate costly in-flight training, jeopardize safety of instructors and student pilots and adversely affect readiness capability of Army aviators.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Hunter Army Air Field, Fort Stewart, Georgia		
4.PROJECT TITLE Flight Simulator Building		5.PROJECT NUMBER 314

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85

(b) Percent Complete As Of January 1986 60

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Fort Bragg

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications .... ______

(b) All Other Design Costs 111

(c) Total Cost 111

(d) Contract 96

(e) In-house .... 15.•.48

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
UH-60 SFTS	OPA	1987	24660
		TOTAL	24,660

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Wainwright Alaska	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 2.13

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	236	1890	462	45	855	0	88	285	115	3,976
B. END FY 91	644	4440	950	101	979	30	0	10	327	7,481

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	947,671 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	36,802
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	126,700
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	61,862
F. PLANNED IN NEXT THREE YEARS	83,639
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	309,003

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	178	TACT EQUIP SHOP LID	30,000	04/85	07/86
890	177	UTILITY EXPANSION LID	31,000	06/85	08/86
740	176	CHILD CARE CENTER LID	11,000	04/85	08/86
214	183	TACT SHP (2) LID	9,900	04/85	07/86
721	182	BARRACKS MOD/CONV (5) LID	21,000	05/85	09/86
722	181	DINING FACILITY(3) LID	16,500	04/85	05/86
214	184	TACT SHP ORG LID	7,300	04/85	07/86
		SUBTOTAL PROJECTS OVER $1M	126,700		
		TOTAL	126,700		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
171	UH 60 FLT SIM BLDG LID	4,444
721	BARRACKS MOD W/ADMIN LID	13,847
740	Commissary	18,500
442	COLD STOR WHSE ADD (LID)	1,816
740	POST EXCHANGE LID	9,579
214	COMPOSITE MAINT FACILITY	9,900
141	BATTALION HQ BLDG	2,026
123	CONSOLIDATED FUEL FAC	1,100
	SUBTOTAL PROJECTS OVER $1M	61,212
740	CLOTHING SALES STORE LID	650
	SUBTOTAL PROJECTS $1M & LESS	650
	TOTAL	61,862

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Wainwright Alaska

10. MISSION OR MAJOR FUNCTIONS:

The mission is the defense of Alaska, including the initial defense of the Aleutian Islands.

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11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	500
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Wainwright, Alaska	4.PROJECT TITLE Child Development Center

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 740	7.PROJECT NUMBER 176	8.PROJECT COST ($000) Auth 11,000 Approp 11,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				9,077
Child Development Center (2 Ea)	SF	47,400	185.00	(8,769)
Playground Facilities	SF	60,000	4.88	(293)
Outdoor Storage Sheds (2 Ea)	SF	600	25.38	(15)
Supporting Facilities				915
Electric Service	LS	-	-	(97)
Water, Sewer & Gas	LS	-	-	(39)
Steam, Chilled Water & Heat Distribution	LS	-	-	(98)
Paving, Walks, Curbs & Gutters	LS	-	-	(332)
Site Improvement	LS	-	-	(244)
Communication	LS	-	-	(24)
Fencing & Gates	LS	-	-	(81)
Subtotal				9,992
Contingency (5.00%)				500
Total Contract Cost				10,492
Supervision, Inspection & Overhead (5.50%)				577
Total Request				11,069
Total Request (Rounded)				11,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct two standard-design child development centers. Steam heat will be provided from the central heating plant. Supporting facilities include walks, roadway paving, storm drainage, parking, and site improvements. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 53,243 SF ADEQUATE: 8,243 SF SUBSTANDARD: None

PROJECT: Construct two child development centers.

REQUIREMENT: This project is required to meet the anticipated demand for accessible, affordable child services of families assigned to the Light Infantry Division which will be deployed in FY 86. Each facility will serve children from the ages of 6 weeks through 12 years and have a capacity of 303 children.

CURRENT SITUATION: The present child development center operates in a building of 8,243 SF with a capacity of 97 children, adequate for the present demand. The deployment of the Light Infantry Division will result in increased need for child care services by a factor of six.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing child care facility will be incapable of meeting the increased demand for services creating hardships for families whose children would be denied participation in the program.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Wainwright, Alaska		
4.PROJECT TITLE Child Development Center		5.PROJECT NUMBER 176

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a)	Date Design Started	APR 85
(b)	Percent Complete As Of January 1986	45
(c)	Percent Complete As Of October 1986	100
(d)	Date Design Complete	AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

		($000)
(a)	Production of Plans and Specifications	485
(b)	All Other Design Costs	69
(c)	Total Cost	554
(d)	Contract	503
(e)	In-house	51

(4) Construction Start .... MAR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Wainwright, Alaska	4.PROJECT TITLE Utilities Expansion

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 822	7.PROJECT NUMBER 177	8.PROJECT COST ($000) Auth 31,000 Approp 31,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				25,078
Main Utilities Corridor	LF	10,530	369.00	(3,886)
Upgrade Existing Utilities	LF	7,493	21.00	(157)
Service Utilities Corridor	LF	1,298	342.00	(444)
Water Lines (8 - 16 in)	LF	32,729	119.00	(3,895)
Sewer Lines (8 - 16 in)	LF	8,735	103.00	(900)
See Cost Estimates (Continued)				(15,796)
Supporting Facilities				2,924
Site Improvement	LS	-	-	(2,924)
Subtotal				28,002
Contingency (5.00%)				1,400
Total Contract Cost				29,402
Supervision, Inspection & Overhead (5.50%)				1,617
Total Request				31,019
Total Request (Rounded)				31,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Provide utility distribution lines from the existing systems to five feet outside the building line of all the proposed facilities for the Light Infantry Division (LID). The required utilities are water, sanitary and storm sewer, electrical power, steam heat, and communications.

11. REQUIREMENT: 161,675 LF ADEQUATE: None SUBSTANDARD: None

PROJECT: Provide the utility distribution systems necessary to support the additional facilities required for the new Light Infantry Division (LID).

REQUIREMENT: This project is required to provide utility service to the proposed facilities required to activate the new LID in FY 1986.

CURRENT SITUATION: The heating and electrical power requirements are supplied by the central heating and power plant. Water is supplied by a number of wells on post and the installation sewage system connects to the Fairbank's Municipal Plant. These existing utilities are adequate to meet the demand of the present garrison and have the capacity to meet the future demand from the LID. However, the distribution system is not extensive enough to supply the new facilities to be built for the LID.

IMPACT IF NOT PROVIDED: If this project is not provided, the proposed facilities will not be made operational, adversely affecting the division's

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Wainwright, Alaska		
4. PROJECT TITLE Utilities Expansion		5. PROJECT NUMBER 177

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Steam & Condensate Lines	LF	47,318	189.00	8,943
Insulate Steam, Condensate	LF	53,572	77.20	4,136
			Total	15,796

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)
ability to accomplish its mission in an efficient manner.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
- (1) Status:
  - (a) Date Design Started ....APR 85
  - (b) Percent Complete As Of January 1986 60
  - (c) Percent Complete As Of October 1986 100
  - (d) Date Design Complete ....MAY 86
- (2) Basis:
  - (a) Standard or Definitive Design - Yes ___ No X
  - (b) Where Design Was Most Recently Used N/A
- (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  - (a) Production of Plans and Specifications 1130
  - (b) All Other Design Costs .... ____
  - (c) Total Cost 1,130
  - (d) Contract 1072
  - (e) In-house 58
- (4) Construction Start .... MAY 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Wainwright, Alaska	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 214	7.PROJECT NUMBER 178	8.PROJECT COST ($000) Auth 30,000 Approp 30,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				24,514
General Purpose Warehouse	SF	65,000	75.00	(4,875)
General Support Maintenance Fac	SF	85,200	153.00	(13,036)
Direct Support Maintenance Fac	SF	38,658	168.00	(6,495)
Deployment Equipment Storage	SF	1,664	65.00	(108)
Supporting Facilities				2,827
Electric Service	LS	-	-	(501)
Water, Sewer & Gas	LS	-	-	(276)
Steam, Chilled Water & Heat Distribution	LS	-	-	(141)
Paving, Walks, Curbs & Gutters	LS	-	-	(1,030)
Storm Drainage	LS	-	-	(107)
Site Improvement	LS	-	-	(667)
Communication	LS	-	-	(105)
Subtotal				27,341
Contingency (5.00%)				1,367
Total Contract Cost				28,708
Supervision, Inspection & Overhead (5.50%)				1,579
Total Request				30,287
Total Request (Rounded)				30,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of warehouse and support maintenance facilities to include: general purpose warehouse, direct support, and general support maintenance facilities. Provide utility upgrade, site improvements, and fire protection. Heat will be from the existing central plant.

11. REQUIREMENT: 123,858 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct warehouse and maintenance facilities.

REQUIREMENT: This project is required to support the stationing of one brigade of a Light Infantry Division (LID).

CURRENT SITUATION: Existing facilities are diverted structures and are not capable of satisfying the Light Infantry Division mission requirements.

IMPACT IF NOT PROVIDED: If this project is not provided, the capability of the Light Infantry Division to defend the Alaska theatre will be severely limited, adversely affecting mission accomplishment.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $2,300,000 based on awarding a single construction contract for this project with project numbers 183 and 184 at Fort Wainwright, Alaska.

12. SUPPLEMENTAL DATA:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Wainwright, Alaska		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 178

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data:

(1) Status:

(a)	Date Design Started	APR 85
(b)	Percent Complete As Of January 1986	65
(c)	Percent Complete As Of October 1986	100
(d)	Date Design Complete	JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a)	Production of Plans and Specifications	780
(b)	All Other Design Costs	190
(c)	Total Cost	970
(d)	Contract	815
(e)	In-house	155

(4) Construction Start .... APR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Wainwright, Alaska	4. PROJECT TITLE Dining Facilities	

5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 722	7. PROJECT NUMBER 181	8. PROJECT COST ($000) Auth 16,500 Approp 16,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				13,382
Dining Fac (2 ea 17,200 SF)	SF	34,400	266.25	(9,159)
Dining Facility (1 ea)	SF	12,900	275.00	(3,547)
Mechanical Room	SF	10,400	65.00	(676)
Supporting Facilities				1,633
Electric Service	LS	-	-	(474)
Water, Sewer & Gas	LS	-	-	(42)
Steam, Chilled Water & Heat Distribution	LS	-	-	(146)
Paving, Walks, Curbs & Gutters	LS	-	-	(359)
Storm Drainage	LS	-	-	(110)
Site Improvement	LS	-	-	(395)
Communication	LS	-	-	(107)
Subtotal				15,015
Contingency (5.00%)				751
Total Contract Cost				15,766
Supervision, Inspection & Overhead (5.50%)				867
Total Request				16,633
Total Request (Rounded)				16,500
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct three (3) dining facilities to consolidate numerous smaller facilities into more efficient larger facilities. Project will include utilities, roads, storm drainage, parking, site work, communications and alarm systems.

11. REQUIREMENT: 2,650 PN ADEQUATE: None SUBSTANDARD: 2,150 PN

PROJECT: Construct three (3) enlisted personnel dining facilities.

REQUIREMENT: This project is required to support soldiers assigned to a new Infantry Division (Light) at Fort Wainwright, Alaska. Capacities will be 650 personnel for one and 1,000 personnel each for the other two.

CURRENT SITUATION: With the assignment of one brigade of a new division to the post, numerous small dining facilities would have to be operated and staffed. Consolidation of dining facilities into three structures is more efficient and economical. At present, five company-sized (200 man) dining facilities are already diverted or in mothballed status. These facilities are unmodernized and experience has shown that it will cost in excess of $2 million to modernize each of these facilities. Three larger facilities in operation need modernization, at an estimated cost of $4 million each. The total would be in excess of $22 million for modernization alone. The current dining facilities will be converted to command and operations facilities.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Wainwright, Alaska		
4.PROJECT TITLE Dining Facilities		5.PROJECT NUMBER 181

This will negate the need for construction of several operation and supply buildings.

IMPACT IF NOT PROVIDED: If this project is not provided, the smaller, diverted, company-size facilities will require modernization, and the result will cost the government more dollars for reduced efficiency. Additional civilian cooks will be required for operation, and these facilities will be operated in an overcrowded condition. Additional funds will be necessary to construct the additional company operations and supply buildings that will be required.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... APR 85
- (b) Percent Complete As Of January 1986 80
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... MAY 86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 553
- (b) All Other Design Costs 10
- (c) Total Cost 563
- (d) Contract 553
- (e) In-house 10

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Wainwright, Alaska		4. PROJECT TITLE Barracks Modernization	
5. PROGRAM ELEMENT 22611A	6. CATEGORY CODE 721	7. PROJECT NUMBER 182	8. PROJECT COST ($000) Auth 21,000 Approp 21,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				18,146
Barracks Modernization (5 Bldgs)	SF	216,800	83.70	(18,146)
Supporting Facilities				375
Electric Service	LS	-	-	(250)
Communication	LS	-	-	(125)
Subtotal				18,521
Contingency (10.00%)				1,852
Total Contract Cost				20,373
Supervision, Inspection & Overhead (5.50%)				1,121
Total Request				21,494
Total Request (Rounded)				21,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Modernize five (5) barracks and convert the company-size attached dining facilities included in the original design to administration and supply space. The project will include repartitioning, upgrade of all utilities and site work.

11. REQUIREMENT: 2,017 PN ADEQUATE: 895 PN SUBSTANDARD: None

PROJECT: Modernize five (5) barracks and convert the company-size dining facilities to administration and supply space.

REQUIREMENT: This project is required to provide adequate housing for 440 E1-E4, 100 E5-E7, 10 E7-E9 (intended utilization), with a maximum utilization of 680.

CURRENT SITUATION: Presently, all permanent party enlisted troops are adequately housed. There is insufficient space, however, for any increase in troop strength. The deployment of one brigade of the new Light Infantry Division will increase the effective post population by about 60 percent. The five barracks buildings available are training barracks. Maintenance on them has been low and they are not adequate for permanent party troops. The administration and supply areas are fully used, and new space will have to be made available to support the Light Infantry Division.

IMPACT IF NOT PROVIDED: If this project is not provided, the newly assigned

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Wainwright, Alaska		
4.PROJECT TITLE Barracks Modernization		5.PROJECT NUMBER 182

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
troops will have to be housed in the unimproved and inadequate training barracks. Administration and storage space will have to be constructed, or else the obsolete dining facilities attached to the barracks will have to be used without upgrading, which would be completely inadequate. If not provided, troop readiness and morale will be seriously reduced and mission requirements will not be met.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Fort Richardson

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 175
(b) All Other Design Costs 50
(c) Total Cost 225
(d) Contract 0
(e) In-house 225

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		
		TOTAL	None

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Wainwright, Alaska	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 214	7.PROJECT NUMBER 183	8.PROJECT COST ($000) Auth 9,900 Approp 9,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,443
Tactical Equipment Shop - BDE & DIVARTY w/SMF	SF	42,400	132.00	(5,597)
Maintenance Condition Facility BDE & DIVARTY	SF	20,000	65.00	(1,300)
Deployment Storage	SF	5,600	65.00	(364)
See Cost Estimates (Continued)				(182)
Supporting Facilities				1,537
Electric Service	LS	-	-	(113)
Water, Sewer & Gas	LS	-	-	(9)
Steam, Chilled Water & Heat Distribution	LS	-	-	(43)
Paving, Walks, Curbs & Gutters	LS	-	-	(647)
Storm Drainage	LS	-	-	(60)
Site Improvement	LS	-	-	(625)
Communication	LS	-	-	(40)
Subtotal				8,980
Contingency (5.00%)				449
Total Contract Cost				9,429
Supervision, Inspection & Overhead (5.50%)				519
Total Request				9,948
Total Request (Rounded)				9,900
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a tactical equipment shop, vehicle maintenance shop, storage building, and fuel station. Supporting facilities include all utilities, roads, walks, curbs, gutters, storm drainage, parking areas, communications, fire alarm systems, and site improvements. Heat will provided from the central plant.

11. REQUIREMENT: 264,412 SF ADEQUATE: 94,832 SF SUBSTANDARD: None

PROJECT: Construct a tactical equipment shop, a vehicle maintenance shop, a storage building, and a fuel station.

REQUIREMENT: This project is required to provide adequate maintenance to support units of the soon-to-be-activated Light Infantry Division. This facility will serve 98 tracked vehicles, 50 tactical wheeled vehicles and 18 howitzers.

CURRENT SITUATION: Fort Wainwright currently has adequate general maintenance space to meet its mission. The stationing of a new Light Infantry Division will require additional maintenance facilities. There are no other facilities on post that could be converted for this purpose.

IMPACT IF NOT PROVIDED: If this project is not provided, the vehicles and mechanics assigned to the Light Infantry Division will be forced to co-locate the existing facilities. These facilities are not large enough to support the

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Wainwright, Alaska

4.PROJECT TITLE Tactical Equipment Shop	5.PROJECT NUMBER 183

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Deployment Storage	SF	2,800	65.00	182
			Total	182

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

additional maintenance load or provide storage for spare parts, which will cause a severe backlog in maintenance and a resultant degradation of the Division's readiness.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $1,400,000 based on awarding a single construction contract for this project with project numbers 178 and 184 at Fort Wainwright, Alaska.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....APR 85

(b) Percent Complete As Of January 1986 65

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 500

(b) All Other Design Costs 124

(c) Total Cost 624

(d) Contract 520

(e) In-house 104

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Wainwright, Alaska	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22611A	6.CATEGORY CODE 214	7.PROJECT NUMBER 184	8.PROJECT COST ($000) Auth 7,300 Approp 7,300

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,961
DISCOM Maintenance Fac	SF	42,400	132.00	(5,597)
Deployment Storage Building	SF	5,600	65.00	(364)
Supporting Facilities				673
Electric Service	LS	-	-	(65)
Water, Sewer & Gas	LS	-	-	(5)
Steam, Chilled Water & Heat Distribution	LS	-	-	(22)
Paving, Walks, Curbs & Gutters	LS	-	-	(324)
Storm Drainage	LS	-	-	(30)
Site Improvement	LS	-	-	(207)
Communication	LS	-	-	(20)
Subtotal				6,634
Contingency (5.00%)				332
Total Contract Cost				6,966
Supervision, Inspection & Overhead (5.50%)				383
Total Request				7,349
Total Request (Rounded)				7,300
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an organization maintenance shop with all utilities, communications, and a fire alarm system. Steam heating will be provided by the central heating plant. Supporting facilities include roads, walks, curbs, gutters, storm drainage, parking areas, and site improvements.

11. REQUIREMENT: 264,412 SF ADEQUATE: 94,832 SF SUBSTANDARD: None

PROJECT: Construct a consolidated organizational tactical equipment shop.

REQUIREMENT: This project is required to provide adequate maintenance facilities for battalions of the new Light Infantry Division. The facility will serve 28 tracked vehicles and 105 tactical wheeled vehicles.

CURRENT SITUATION: With the activation of the new Light Infantry Division, an extreme shortage of maintenance facilities of all types will occur. No facilities exist which can accomodate the requirement for an organizational tactical equipment shop to support the additional vehicles to be assigned.

IMPACT IF NOT PROVIDED: If this project is not provided, the maintenance effort of all units will be severely impacted. Co-location of the new units with the existing ones would completely overwhelm the maintenance facilities. The use of maintenance tents is not practical due to the duration and severe weather of Arctic winters. The only alternative would be to defer deployment of the Division Support Command.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Wainwright, Alaska		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 184

11. REQUIREMENT: (Continued)

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $1,100,000 based on awarding a single construction contract for this project with project numbers 178 and 183 at Fort Wainwright, Alaska.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 85

(b) Percent Complete As Of January 1986 65

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 260

(b) All Other Design Costs 76

(c) Total Cost 336

(d) Contract 280

(e) In-house 56

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
TRADOC

INSTALLATION PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Training and Doctrine Command						
Fort Belvoir, VA						285
483	Child Development/Religious Ed Facility			5,600	5,600	287
	SUBTOTAL FOR Fort Belvoir		$	5,600	5,600	
Fort Benning, GA						291
387	Fire Station			1,100	1,100	293
393	Chapel			1,700	1,700	296
421	Child Development Center Addition	(SEE $1.0 M)		280	280	719
451	Vehicle Wash Facility			4,000	4,000	298
452	Vehicle Wash Facility			9,100	9,100	301
	SUBTOTAL FOR Fort Benning		$	16,180	16,180	
Carlisle Barracks, PA						305
5	Tactical Equipment Shop	(SEE $1.0 M)		800	800	737
	SUBTOTAL FOR Carlisle Barracks		$	800	800	
Fort Eustis, VA						307
357	Applied Instruction Facility			2,050	2,050	309
	SUBTOTAL FOR Fort Eustis		$	2,050	2,050	
Fort Jackson, SC						313
173	Applied Instruction Facility			1,300	1,300	315
	SUBTOTAL FOR Fort Jackson		$	1,300	1,300	
Fort Knox, KY						317
394	Applied Instruction Facility			3,200	3,200	319
	SUBTOTAL FOR Fort Knox		$	3,200	3,200	
Fort Leavenworth, KS						321
109	Water Storage Tank			1,100	1,100	323
	SUBTOTAL FOR Fort Leavenworth		$	1,100	1,100	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
TRADOC

INSTALLATION PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Training and Doctrine Command (Cont.)						
Fort Lee, VA						325
135	General Instruction Building Addition			7,600	7,600	327
172	Barracks			10,000	10,000	329
	SUBTOTAL FOR Fort Lee		$	17,600	17,600	
Fort McClellan, AL						331
308	Child Development Center	(SEE $1.0 M)		540	540	717
	SUBTOTAL FOR Fort McClellan		$	540	540	
Fort Rucker, AL						333
253	Stagefields			27,000	27,000	335
269	Aerial Gunnery Range			17,500	17,500	337
	SUBTOTAL FOR Fort Rucker		$	44,500	44,500	
Fort Sill, OK						341
333	Vehicle Wash Facility			3,050	3,050	343
	SUBTOTAL FOR Fort Sill		$	3,050	3,050	
Fort Story, VA						347
53	Storage/Maintenance Facility	(SEE $1.0 M)		1,000	1,000	738
59	Electrical Distribution System Upgrade			1,700	1,700	349
	SUBTOTAL FOR Fort Story		$	2,700	2,700	
Fort Leonard Wood, MO						353
120	Engineer School/Post Headquarters Building			14,000	14,000	355
218	Unaccompanied Officers Housing			13,200	13,200	358
219	Applied Instruction Facility			16,000	16,000	360
	SUBTOTAL FOR Fort Leonard Wood		$	43,200	43,200	
	*TOTAL US Army Training and Doctrine Command		$	141,820	141,820	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Belvoir Virginia	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX 1.04

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	410	2405	1399	828	1517	19	687	1163	3378	11,806
B. END FY 91	201	1725	916	211	1517	63	1083	1999	6533	14,248

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	8,656 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	237,729
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	5,600
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	62,166
F. PLANNED IN NEXT THREE YEARS	148,581
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	454,076

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
740	483	CHILD DEV/REL EDUC FAC	5,600	03/85	09/86
		SUBTOTAL PROJECTS OVER $1M	5,600		
		TOTAL	5,600		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
800	ELEC DISTR/TRANSFORMER MOD	3,931
724	BOQ 2ND INCR	2,441
610	CSC HQ & COMPUTER CENTER	35,000
826	LAB VENTILATION	2,216
217	ELEC MAINT FAC	1,250
610	MTMC COMPUTER OPER CTR	4,300
610	MTMC OPERATIONS BLDG	12,758
	SUBTOTAL PROJECTS OVER $1M	61,896
171	FLT SIM MOD DAVIDSON PIF	270
	SUBTOTAL PROJECTS $1M & LESS	270
	TOTAL	62,166

10. MISSION OR MAJOR FUNCTIONS:

To command and support all troop units located at the US Army Engineer Center and Fort Belvoir except those expressly assigned by competent authority to another command or agency. A principal mission of the USAECFB is to provide administrative, operational, and logistical support to the United States Army Engineer School (USAESO). The School is responsible for providing a progressive program of both resident and non resident training and education in the functions.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Belvoir Virginia

10. MISSION OR MAJOR FUNCTIONS: (CONTINUE)

tactics and techniques of military engineering. In addition to instructing officers, the School is responsible for the Advanced Individual Training of soldiers in the maintenance of power generation equipment. The school also trains members of other branches of the United States Armed Forces and students from foreign nations. USAES develops engineer doctrine, organization and material concepts, prepares reference and training material for Army wide engineer training, publishes The Engineer magazine and maintains the US Army Engineer Library.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Belvoir, Virginia	4. PROJECT TITLE Child Development/Religious Ed Facility

5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 740	7. PROJECT NUMBER 483	8. PROJECT COST ($000) Auth 5,600 Approp 5,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,989
Child Dev. Ctr. - North Post	SF	24,402	73.20	(1,786)
Child Dev. Ctr. - South Post	SF	29,800	73.20	(2,181)
Playground w/Equipment	SY	1,800	7.59	(14)
Outdoor Storage Shed	LS	-	-	(8)
Supporting Facilities				1,050
Electric Service	LS	-	-	(155)
Water, Sewer & Gas	LS	-	-	(29)
Steam, Chilled Water & Heat Distribution	LS	-	-	(112)
Paving, Walks, Curbs & Gutters	LS	-	-	(168)
Storm Drainage	LS	-	-	(91)
Site Improvement (386) Demolition (60)	LS	-	-	(446)
Communication	LS	-	-	(49)
Subtotal				5,039
Contingency (5.00%)				252
Total Contract Cost				5,291
Supervision, Inspection & Overhead (5.50%)				291
Total Request				5,582
Total Request (Rounded)				5,600
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a Child Development/Religious Education Facility in two locations, one an addition to the main post chapel, the other as a separate building. The chapel addition will house both the religious education program and a full service child development center. The second building will provide full child development care only. Both will contain classrooms, offices, child care space with air conditioning, utilities, fire protection, play areas, kitchens, laundry, restrooms and storage areas. The chapel site will contain a picnic area. Parking will be provided at the separately sited building. Accessibility for the handicapped will be provided. Demolish four (4) buildings (20,557 SF).

Air conditioning: 124 tons.

11. REQUIREMENT: 51,396 SF ADEQUATE: None SUBSTANDARD: 20,557 SF

PROJECT: Construct a child development and religious education center.

REQUIREMENT: This project is required to provide a permanent Child Care and Religious Education Center with sufficient space to provide for the minimum needs of both programs.

CURRENT SITUATION: The present child care facilities have space for 200 children. The projected demand is for 550 children. Over 250 children currently are on the waiting list to use the child development center. In an

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Belvoir, Virginia		
4.PROJECT TITLE Child Development/Religious Ed Facility		5.PROJECT NUMBER 483

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
attempt to satisfy this need, 45 private homes have been registered to provide authorized day care services. It is unknown how many children are enrolled in unregulated day care programs, which are unpoliced and leave the safety of the children in doubt. Two existing temporary-type wooden structures constructed in 1941 and 1944 and one prefab metal building constructed in 1967 are being used to house the child developement program. The three buildings are far from each other, requiring separate staffs be maintained at each location. The current facilities lack adequate play areas, administrative space, and kitchen facilities. The Post Chaplain uses one World War II building for his religious education staff and rents the three Fairfax County Schools located on Fort Belvoir to conduct the religious education instruction. Since county schools are unavailable during the summer months and no other facilities are available, the religious needs of the military families cannot be met on a year-round basis.
IMPACT IF NOT PROVIDED: If this project is not provided, the critically needed expansion of child care services will not be possible and more than half of the children requiring child care services will remain on the waiting list or be forced to use unregulated day care programs. Those that can get into the program will continue to be served in the substandard and deteriorating World War II structures presently used.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAR 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 230.970
(b) All Other Design Costs 93.369
(c) Total Cost 324.339
(d) Contract 271.070
(e) In-house 53.269

(4) Construction Start .... JAN 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Belvoir, Virginia		
4.PROJECT TITLE Child Development/Religious Ed Facility		5.PROJECT NUMBER 483

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DD 1 FORM DEC 76 DD1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Benning Georgia	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .71

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1776	12464	5655	1130	13787	0	11	45	0	34,868
B. END FY 91	1747	11906	5056	2224	13543	0	10	30	18	34,534

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE .... 169,206 AC

B. INVENTORY TOTAL AS OF 30 SEP 85	365,092
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	16,180
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	75,508
F. PLANNED IN NEXT THREE YEARS	271,166
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	727,946

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
730	387	FIRE STATION 2 CO	1,100	04/85	04/86
730	393	CHAPEL SAND HILL	1,700	06/85	04/86
214	452	CNTRL WASH RACK, KH (PECIP)	9,100	11/85	06/87
214	451	CNTRL WASH RACK, MP (PECIP)	4,000	11/85	09/86
		SUBTOTAL PROJECTS OVER $1M	15,900		
740	421	CHILD CARE CENTER ADDN	280	03/85	12/85
		SUBTOTAL PROJECTS $1M & LESS	280		
		TOTAL	16,180		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
721	TRAINEE BARRACKS NO 10	30,188
851	HIGHWAY CROSSING US 280	9,400
442	CENT ISSUE FAC SAND HILL	2,044
214	RGR TACT EQUIP SHOP	2,450
218	RGR RIGGER FAC/HANGAR	3,500
141	RNGR REG HQ BLDG/SCIF	2,850
721	BARRACKS COMPLEX	24,000
	SUBTOTAL PROJECTS OVER $1M	74,432
171	PHYS FITNESS TRNG CTR	480
510	EMERGENCY RM/ENTR MOB MACH	596
	SUBTOTAL PROJECTS $1M & LESS	1,076
	TOTAL	75,508

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Benning   Georgia

10. MISSION OR MAJOR FUNCTIONS:

Provides support and facilities for the U.S. Army Infantry Center and School, major combat and combat support forces, Martin U.S. Army Hospital, other tenant and satellited activities and units, and Reserve Components Training.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	65,493
C. OCCUPATIONAL SAFETY AND HEALTH	2,035

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Benning, Georgia	4.PROJECT TITLE Fire Station

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 730	7.PROJECT NUMBER 387	8.PROJECT COST ($000) Auth 1,100 Approp 1,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				638
Fire Station	SF	8,396	74.50	(626)
Energy Monitoring Control System	LS	-	-	(12)
Supporting Facilities				375
Electric Service	LS	-	-	(95)
Water, Sewer & Gas	LS	-	-	(7)
Paving, Walks, Curbs & Gutters	LS	-	-	(79)
Storm Drainage	LS	-	-	(24)
Site Improvement (83) Demolition (26)	LS	-	-	(109)
Communication	LS	-	-	(61)
Subtotal				1,013
Contingency (5.00%)				51
Total Contract Cost				1,064
Supervision, Inspection & Overhead (5.50%)				59
Total Request				1,123
Total Request (Rounded)				1,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a three-stall, two-company fire station. Project to include all utilities, communications and alarm systems, fire protection, heating and air conditioning with self-contained systems, storm drainage, emergency vehicle and caution signals, parking, and site improvements. Demolition of one semi-permanent and five temporary-type buildings (8,939 SF). Air conditioning: 15 tons.

11. REQUIREMENT: 14,459 SF ADEQUATE: 5,923 SF SUBSTANDARD: 9,919 SF

PROJECT: Construct a three-stall, two-company fire station.

REQUIREMENT: This project is required to provide a permanent fire station to serve 2,000 family housing units, two dependent schools (750 students), the 400-bed Martin Army Community Hospital, the new barracks complex at Sand Hill (10,000 personnel living and/or working in this cantonment area), the 250,000 SF Fort Benning Mall, and ancillary accommodations at Kelley Hill. The station will provide replacement and maintenance of all fire extinguishers within its area of responsibility and provide accommodations for fire safety instruction classes.

CURRENT SITUATION: At present, the only fire station in the area is a World War II-vintage structure within the Sand Hill complex. The nearest permanent fire station is located on main post, one to five miles from various family

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Benning, Georgia		
4.PROJECT TITLE Fire Station		5.PROJECT NUMBER 387

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
housing areas, three miles from the hospital and mall, six miles from Sand Hill, and six miles from Kelley Hill. There is also a 3,378 SF temporary-type World War II fire station (Building 4205) in Harmony Church which supports the Harmony Church cantonment area. This facility will remain operational until the One Station Unit Training (OSUT) mission has been fully relocated to the new Sand Hill cantonment area.
IMPACT IF NOT PROVIDED: If this project is not provided, the five mile travel distance limitation will continue to be violated with reference to the Sand Hill complex, several family housing areas and two dependent schools. Additionally, the allowable two mile travel distance limitation will continue to be violated with regard to Martin Army Community Hospital. Continued violation of recommended travel distances for fire fighting equipment provides the opportunity for a potential fire(s) to have a severe impact on the accomplishment of vital military missions, with high hazard to human life and a potential high monetary loss.
ADDITIONAL: It is anticipated that this project will be procured using the one-step competitive negotiation form of turnkey contracting.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....N/A
(b) Percent Complete As Of January 1986 ....N/A
(c) Percent Complete As Of October 1986 ....N/A
(d) Date Design Complete ....N/A

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications .... N/A
(b) All Other Design Costs .... ______
(c) Total Cost .... ______
(d) Contract .... N/A
(e) In-house .... N/A

(4) Construction Start .... N/A
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Benning, Georgia		
4.PROJECT TITLE Fire Station		5.PROJECT NUMBER 387

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Benning, Georgia	4.PROJECT TITLE Chapel

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 730	7.PROJECT NUMBER 393	8.PROJECT COST ($000) Auth 1,700 Approp 1,700

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,220
600 Seat Chapel	SF	13,720	88.92	(1,220)
Supporting Facilities				335
Electric Service	LS	-	-	(56)
Water, Sewer & Gas	LS	-	-	(5)
Steam, Chilled Water & Heat Distribution	LS	-	-	(133)
Paving, Walks, Curbs & Gutters	LS	-	-	(108)
Site Improvement	LS	-	-	(28)
Communication	LS	-	-	(5)
Subtotal				1,555
Contingency (5.00%)				78
Total Contract Cost				1,633
Supervision, Inspection & Overhead (5.50%)				90
Total Request				1,723
Total Request (Rounded)				1,700
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a chapel to include utilities, parking, walks, site improvements, and communications. Accessibility will be provided for the handicapped. Heating system will be tied into the existing Energy Monitoring and Control System (EMCS). Air conditioning: 40 tons.

11. REQUIREMENT: 1,600 SF ADEQUATE: 900 SF SUBSTANDARD: 1,450 SF

PROJECT: Construct a chapel.

REQUIREMENT: This project is required to provide 600 seats of additional chapel space to serve the new trainee barracks complex at Sand Hill. This space will serve the needs of the young enlistee with counseling and worship activities.

CURRENT SITUATION: At present, there is a 300 seat permanent chapel and a 300 seat temporary facility in the area to serve the trainee barracks complex, which presently consists of five 1100 man barracks with a sixth under construction. Ultimate billeting capacity of the Sand Hill area will be approximately 10,000 trainees, 660 receptees, 500 cadre, and 300 permanent party personnel. No child care facilities or religious educational facilities exist or are planned for the Sand Hill cantonment area.

IMPACT IF NOT PROVIDED: If this project is not provided, crowding will occur as additional barrracks are constructed. If adequate services in the

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Benning, Georgia

4.PROJECT TITLE Chapel	5.PROJECT NUMBER 393

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

two existing chapels at Sand Hill are not possible due to crowded conditions troops would be bused to other chapels on post, creating crowding conditions there.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... Jun 85

(b) Percent Complete As Of January 1986 55

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... Apr 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 82

(b) All Other Design Costs 83

(c) Total Cost 165

(d) Contract 104

(e) In-house 61

(4) Construction Start .... Jan 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Benning, Georgia	4. PROJECT TITLE Vehicle Wash Facility

5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 214	7. PROJECT NUMBER 451	8. PROJECT COST ($000) Auth 4,000 Approp 4,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,826
Primary Pump House	SF	1,000	58.67	(59)
Filter Pump House	SF	500	58.67	(29)
Recirculation Pump House	SF	500	58.67	(29)
Control Booth	SF	96	63.77	(6)
Latrine/Break Building	SF	600	58.67	(35)
See Cost Estimates (Continued)				(2,668)
Supporting Facilities				764
Electric Service	LS	-	-	(89)
Water, Sewer & Gas	LS	-	-	(97)
Paving, Walks, Curbs & Gutters	LS	-	-	(100)
Storm Drainage	LS	-	-	(8)
Site Improvement	LS	-	-	(439)
Communication	LS	-	-	(20)
EMCS Tie in to Building	LS	-	-	(11)
Subtotal				3,590
Contingency (5.00%)				180
Total Contract Cost				3,770
Supervision, Inspection & Overhead (5.50%)				207
Total Request				3,977
Total Request (Rounded)				4,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a centralized exterior vehicle washing facility to include pump houses, control booths, latrine/break building, two heavy vehicle baths and post wash points, 8 point light vehicle wash area, pumps and controls, grit and oil chambers, waste oil storage tank, equilization basin, filter area including service roadway, detention pond, five scheduled maintenance facilities and oil houses for five existing motor pools, and a TMP automatic washer. Supporting facilities will include electrical distribution and night lighting; water, sanitary and industrial waste systems; concrete pavement, curb and gutters; storm drainage system; site improvements, erosion control; existing washrack disconnection; hardstand demolition and replacement; communications; signage. Facility to include provisions to tie into existing EMCS system. Air conditioning of control booth and break area with self-contained system. Air conditioning: 4 tons.

11. REQUIREMENT: 2 EA ADEQUATE: None SUBSTANDARD: 6 EA

PROJECT: Construct a vehcile wash facility on Main Post.

REQUIREMENT: This project is required to comply with U.S.EPA and State of Georgia regulations governing point and area discharges of wastewater to surface waters and will consolidate all the exterior washing of vehicles on Main Post at one location. The proposed project will provide for more

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Benning, Georgia		
4. PROJECT TITLE Vehicle Wash Facility		5. PROJECT NUMBER 451

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Wheel Vehicle Bath and Post Wash	SY	4,322	46.93	203
Light Wheel Vehicle Wash Area	SY	3,180	25.16	80
Pumps and Controls	LS	-	-	142
Waste Oil Storage Tank	GA	2,000	1.87	4
Grit and Oil Chamber	SF	3,000	5.90	18
Equilization Basin	SF	5,000	5.66	28
Filter Area w/Roadway	SF	40,000	3.96	159
Detention Pond	SF	12,600	2.26	29
43rd Engr Bn Scheduled Maint Fac	SF	7,104	58.62	416
533rd Scheduled Maint Fac	SF	7,104	58.62	416
34th Med Scheduled Maint Fac	SF	4,800	58.62	281
67th Scheduled Maint Fac	SF	7,104	58.62	416
DEH Scheduled Maint Fac	SF	2,400	58.62	141
Oil Houses (4)	SF	2,400	108.55	261
TMP Automatic Washer	LS	-	-	74
			Total	2,668

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
efficient vehicle cleaning and maintenance facilities to improve utilization of personnel and equipment resources, will reduce the types and quantities of pollution generated, will recycle water which eliminates requirements for NPDES permits, and will eliminate the possibilities of violations of water pollution control regulations.

CURRENT SITUATION: At present, vehicle washing and maintenance cleaning activities on Main Post at six separate motor pools generate various sorts and concentrations of water pollution consisting of oil, suspended solids, solvents, detergents and fuels. Current washrack facilities are used for exterior cleaning, maintenance cleaning and maintenance operations. The size and configuration of the single washrack facility for multiple operations results in very slow turnaround times for exterior cleaning or maintenance. Also, water pollution collection and treatment capabilities are not adequate to collect and adequately treat the pollution generated.

IMPACT IF NOT PROVIDED: If this project is not provided, washrack facilities within existing motor pools will continue to violate U.S. EPA and State of Georgia regulations governing point and area discharges of wastewater to surface waters. There also will be a very slow turnaround time for exterior cleaning or maintenance of vehicles within the motor pools.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION
Fort Benning, Georgia

4.PROJECT TITLE Vehicle Wash Facility	5.PROJECT NUMBER 451

12. SUPPLEMENTAL DATA: (Continued)
A. Estimated Design Data: (Continued)
(1) Status: (Continued)
(a) Date Design Started ....NOV 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 294
(b) All Other Design Costs .... ___
(c) Total Cost 294
(d) Contract 0
(e) In-house 294

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Benning, Georgia	4. PROJECT TITLE Vehicle Wash Facility	

5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 214	7. PROJECT NUMBER 452	8. PROJECT COST ($000) Auth 9,100 Approp 9,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,888
Primary Pump House	SF	1,000	58.67	(59)
Filter Pump House	SF	500	58.67	(29)
Recirculation Pump House	SF	500	58.67	(29)
Twilight Pond Pump House	SF	500	58.67	(29)
Control Booth, Track	SF	96	63.77	(6)
See Cost Estimates (Continued)				(5,736)
Supporting Facilities				2,292
Electric Service	LS	-	-	(252)
Water, Sewer & Gas	LS	-	-	(194)
Paving, Walks, Curbs & Gutters	LS	-	-	(44)
Storm Drainage	LS	-	-	(27)
Site Improvement	LS	-	-	(1,722)
Communication	LS	-	-	(20)
EMCS Tie-In/Signage	LS	-	-	(33)
Subtotal				8,180
Contingency (5.00%)				409
Total Contract Cost				8,589
Supervision, Inspection & Overhead (5.50%)				472
Total Request				9,061
Total Request (Rounded)				9,100
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a centralized exterior vehicle washing facility to include pump houses, control booths, latrine/break building, three track baths and post wash points, three heavy vehicle baths and post wash points, 16 point light vehicle wash area, pumps and controls, grit and oil chambers, waste oil storage tank, equalization basin, filter area including service roadway, detention pond, four (4) scheduled maintenance facilities, oil houses for three (3) existing motor pools and a concrete tank trail network from the wash facility to individual unit motor pools. Nonpotable water system will be tied into Twilight Pond for use as a backup water supply. Supporting facilities will include electrical distribution and night lighting; water, sanitary and industrial waste and septic tank systems; gravel tank trail; concrete pavement, curb and gutters; storm drainage system; site improvements, erosion control; existing washrack disconnection; hardstand demolition and replacement with concrete hardstand; communications; and signage. Facility to include provisions to tie into existing EMCS system. Air conditioning of control booth and break area with self-contained system. Air conditioning: 5 tons.

11. REQUIREMENT: 2 EA ADEQUATE: None SUBSTANDARD: 6 EA

PROJECT: Construct vehicle wash facility on Kelley Hill.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Benning, Georgia		
4.PROJECT TITLE Vehicle Wash Facility		5.PROJECT NUMBER 452

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Control Booth, Wheel	SF	96	63.77	6
Latrine/Break Building	SF	600	58.67	35
Track Bath and Post Wash	SY	10,505	46.94	493
Hvy Wheel Veh Bath & Post Wash	SY	10,505	46.93	493
Light Wheel Vehicle Wash Area	SY	8,450	25.16	213
Pumps and Controls	LS	-	-	332
Grit and Oil Chamber	SF	48,000	5.90	283
Waste Oil Storage Tank	GA	5,000	1.87	9
Equilization Basin	SF	42,000	5.66	238
Filter Area with Roadway	SF	100,000	3.96	396
Detention Pond	SF	114,500	2.26	259
1/29th Scheduled Maint Fac	SF	7,104	58.62	416
2/69th Scheduled Maint Fac	SF	7,104	58.62	416
15th Cav Scheduled Maint Fac	SF	4,800	58.62	281
72nd Scheduled Maint Fac	SF	4,800	58.62	281
Oil Houses (3)	SF	1,710	108.55	186
Concrete Tank Trail to Ivy Road	LF	4,604	93.23	429
Concrete Tank Trail to 2/10th FA	LF	7,200	108.82	784
Concrete Tank Trail to 72nd Engr	LF	2,000	93.23	186
			Total	5,736

REQUIREMENT: This project is required to comply with U.S. EPA and State of Georgia regulations governing point and area discharges of wastewater to surface waters and will consolidate all the exterior washing of track and wheel vehicles on Kelley Hill at one location. The proposed project will provide for more efficient vehicle cleaning and maintenance facilities to improve utilization of personnel and equipment resources, will reduce the types and quantities of pollution generated, will recycle water which eliminates requirements for NPDES permits, and will eliminate the possibilities of violations of water pollution control regulations.

CURRENT SITUATION: At present, vehicle washing and maintenance cleaning activities on Kelley Hill at six separate motor pools generate various sorts and concentrations of water pollution consisting of oil, suspended solids, solvents, detergents and fuels. Current washrack facilities are used for exterior cleaning, maintenance cleaning and maintenance operations. The size and configuration of the single washrack facility for multiple operations results in very slow turnaround times for exterior cleaning or maintenance. Also, water pollution collection and treatment capabilities are not adequate to collect and adequately treat the pollution generated.

IMPACT IF NOT PROVIDED: If this project is not provided, washrack facilities within existing motor pools will continue to violate U.S. EPA and State of Georgia regulations governing point and area discharges of wastewater

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Benning, Georgia		
4.PROJECT TITLE Vehicle Wash Facility		5.PROJECT NUMBER 452

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

to surface waters. There also will be a very slow turnaround time for exterior cleaning or maintenance of vehicles within the motor pools.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....NOV 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 675

(b) All Other Design Costs .... ___

(c) Total Cost 675

(d) Contract 0

(e) In-house 675

(4) Construction Start .... DEC 86 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Carlisle Barracks Pennsylvania	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .93

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	166	215	865	248	0	18	250	25	25	1,812
B. END FY 91	175	234	869	229	0	19	250	25	25	1,826

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	403 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	30,091
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	800
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,121
F. PLANNED IN NEXT THREE YEARS	14,495
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	46,507

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
218	5	CONSOLIDATED MAINT SHOP	800	09/85	01/86
		SUBTOTAL PROJECTS $1M & LESS	800		
		TOTAL	800		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
550	PHYS FIT RESEARCH BLDG	1,121
	SUBTOTAL PROJECTS OVER $1M	1,121
	TOTAL	1,121
B. PLANNED NEXT THREE PROGRAM YEARS		
141	USAWC ROOT HALL ADDITION	11,876
610	ADMIN BLDG 23	2,387
	SUBTOTAL PROJECTS OVER $1M	14,263
610	ENGR ADM BLDG	232
	SUBTOTAL PROJECTS $1M & LESS	232
	TOTAL	14,495

10. MISSION OR MAJOR FUNCTIONS:

Provide administrative and logistical support for the operation of the U.S. Army Garrison, U.S. Army War College, U.S. Army Military History Institute, U.S. Dunham Army Hospital and other tenant units and activities.

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Carlisle Barracks Pennsylvania

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Eustis Virginia	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .96

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	869	4941	2683	653	2321	0	0	9	0	11,476
B. END FY 91	854	4803	2683	653	2321	0	0	9	0	11,323

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	8,228 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	168,518
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,599
F. PLANNED IN NEXT THREE YEARS	92,945
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	275,112

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	357	CMF 67 TRAINING FACILITY	2,050	11/84	04/86
		SUBTOTAL PROJECTS OVER $1M	2,050		
		TOTAL	2,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
610	ADMIN BLDG T&A	2,750
724	BARRACKS MODERNIZATION	4,039
730	EMERGENCY SERVICES BLDG	2,347
721	BARRACKS MOD	1,540
	SUBTOTAL PROJECTS OVER $1M	10,676
442	MEDICAL SUPPLY WAREHOUSE	923
	SUBTOTAL PROJECTS $1M & LESS	923
	TOTAL	11,599

10. MISSION OR MAJOR FUNCTIONS:

Provides support and facilities for U.S. Army Transportation Center and School and satellited activities and units.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Eustis Virginia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Eustis, Virginia	4.PROJECT TITLE Applied Instruction Facility

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 171	7.PROJECT NUMBER 357	8.PROJECT COST ($000) Auth 2,050 Approp 2,050

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,722
BTC/PTC Classroom	SF	10,000	56.61	(566)
Applied Training Area	SF	20,425	56.61	(1,156)
Supporting Facilities				108
Electric Service	LS	-	-	(22)
Water, Sewer & Gas	LS	-	-	(19)
Paving, Walks, Curbs & Gutters	LS	-	-	(26)
Storm Drainage	LS	-	-	(2)
Site Improvement	LS	-	-	(13)
Communication	LS	-	-	(26)
Subtotal				1,830
Contingency (5.00%)				92
Total Contract Cost				1,922
Supervision, Inspection & Overhead (5.50%)				106
Total Request				2,028
Total Request (Rounded)				2,050
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a training facility to include classrooms, lecture hall, office space and a trainer/simulator room with 30-foot ceiling clearance and equipped with a 2-ton bridge crane, and trainers for the CH-47D and UH-60 helicopters, and the Advanced Helicopter Improvement Program (AHIP). Construction of an applied instruction building with classrooms, storage, office space and a training bay with 30-foot ceiling clearance and equipped with a 2-ton hoist. The sewer systems for the training bays of both buildings will be connected to a POL separator. Supporting facilities include all utilities, paving, sidewalks, curbs, gutters, storm drainage, communications, fire detection/alarm system and sprinklers. Both buildings will be connected to the EMCS. Heating will be provided from the central heat plant. Offices and classrooms will be air conditioned by self-contained units. Air conditioning: 12 tons.

11. REQUIREMENT: 761,102 SF ADEQUATE: 633,111 SF SUBSTANDARD: 44,819 SF

PROJECT: Construct a training facility.

REQUIREMENT: This project is required to provide adequate facilities to conduct Basic and Primary Technical Courses (BTC and PTC, respectively) for helicopter mechanics, technical inspectors (a new position), shop foremen, and supervisors.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Eustis, Virginia		
4.PROJECT TITLE Applied Instruction Facility		5.PROJECT NUMBER 357

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Presently, eleven (11) buildings are used for training mechanics, shop foremen, and supervisors for helicopter maintenance. These facilities cannot support all of the courses required by the students, and the added demand from the creation of a new Military Occupation Specialty for Technical Inspector (MOS 66) cannot be met. In addition, several of the courses are being lengthened from the present five (5) weeks to 17 to 19 weeks. The existing facilities are overcrowded and have safety hazards, hindering training effectiveness. There are no facilities with 30-foot ceiling clearances and classroom space for housing helicopters. New trainers for the CH-47D and AH-64 under order require new facilities because there are no facilities available to pull the power train components. These more complicated vehicles require longer breakdown and maintenance times which precludes the double shift work now used to handle the training demand. Between the increased complexity of the training equipment, the substantial growth of the student population, the increase in length of the training courses, and the increase in the size of the training equipment, there are simply no facilities available to support all of the courses programmed.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Eustis will be unable to train an adequate number of students in Basic and Primary Technical Courses for helicopter maintenance. This will hamper the Army's mission for developing technical inspectors, mechanics and supervisors. The lack of facilities is the major constraint on the training program, and this will be compounded by the planned increase in course length and the requirement for the new MOS 66, Technical Inspector. Without this project, not even minimal support can be provided to the helicopter maintenance students.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 85

(b) Percent Complete As Of January 1986 80

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 63

(b) All Other Design Costs 130

(c) Total Cost 193

(d) Contract 138

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Eustis, Virginia		
4.PROJECT TITLE Applied Instruction Facility		5.PROJECT NUMBER 357

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued) ($000)

(e) In-house 55

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Jackson South Carolina	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .82

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	654	3899	2416	0	9283	0	0	1000	0	17,252
B. END FY 91	625	3509	2352	12	12914	0	12	0	18	19,442

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	52,597 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	200,064
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,300
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	14,218
F. PLANNED IN NEXT THREE YEARS	182,330
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	397,912

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
171	173	APPL INSTR BLDG 63B	1,300	07/85	04/86
		SUBTOTAL PROJECTS OVER $1M	1,300		
		TOTAL	1,300		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	WHEELED VEH MAINT TRNG FAC	10,200
442	MEDICAL SUPPLY WAREHOUSE	1,682
171	APPL INSTR BLDG, 75D/E	2,336
	SUBTOTAL PROJECTS OVER $1M	14,218
	TOTAL	14,218
B. PLANNED NEXT THREE PROGRAM YEARS :		
442	CONSOL SUP FAC COMPLEX	26,542
214	CONSOL FLD MAINT COMPLEX	21,914
	SUBTOTAL PROJECTS OVER $1M	48,456
	TOTAL	48,456

10. MISSION OR MAJOR FUNCTIONS:

To provide logistical support and facilities for a U.S. Army training center for enlisted personnel and a U.S. Army reception station. Support of summer reserve training and military entrance processing station. Also support of U.S. Army hospital (435) and TO&E/TDA STRAF units.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Jackson South Carolina

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	5,000

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Jackson, South Carolina	4.PROJECT TITLE Applied Instruction Facility

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 171	7.PROJECT NUMBER 173	8.PROJECT COST ($000) Auth 1,300 Approp 1,300

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				975
Applied Instruction Building	SF	14,000	69.64	(975)
Supporting Facilities				208
Electric Service	LS	-	-	(43)
Water, Sewer & Gas	LS	-	-	(23)
Paving, Walks, Curbs & Gutters	LS	-	-	(81)
Storm Drainage	LS	-	-	(13)
Site Improvement	LS	-	-	(37)
Communication	LS	-	-	(2)
Fencing	LS	-	-	(9)
Subtotal				1,183
Contingency (5.00%)				59
Total Contract Cost				1,242
Supervision, Inspection & Overhead (5.50%)				68
Total Request				1,310
Total Request (Rounded)				1,300
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an applied instruction building to include required utilities, communications, fire protection and alarm systems, storm drainage, parking, and site improvements. Heating and air conditioning will be by a self-contained unit. Air conditioning: 47 tons.

11. REQUIREMENT: 104,128 SF ADEQUATE: 90,038 SF SUBSTANDARD: 28,513 SF

PROJECT: Construct an applied instruction building.

REQUIREMENT: This project is required to provide an applied instruction building to support a projected in-training load of 780 trainees in MOS 63B (Light Wheeled Vehicle Mechanic). The annual training requirement is 3,250 trainees with a weekly input of 65 for 50 weeks per year.

CURRENT SITUATION: Fort Jackson is currently meeting the need to train MOS 63B by using seven (7) temporary-type World War II buildings and eight (8) permanent buildings. The seven (7) temporary-type World War II buildings are deteriorated, difficult to heat and cool, and are not conducive to learning. These buildings are widely dispersed throughout the 4th CST Brigade training area which results in managerial inefficiencies.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Jackson will continue to conduct its training in substandard World War II facilities and will be unable to handle the projected training loads.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Jackson, South Carolina		
4. PROJECT TITLE Applied Instruction Facility		5. PROJECT NUMBER 173

11. REQUIREMENT: (Continued)

ADDITIONAL: It is anticipated that this project will be procured using the one-step competitive negotiation form of turnkey contracting.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... N/A
- (b) Percent Complete As Of January 1986 .... N/A
- (c) Percent Complete As Of October 1986 .... N/A
- (d) Date Design Complete .... N/A

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No ___
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications .... N/A
- (b) All Other Design Costs .... ______
- (c) Total Cost .... ______
- (d) Contract .... N/A
- (e) In-house .... N/A

(4) Construction Start .... N/A
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Knox Kentucky	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .99

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1385	10626	4567	1009	6460	0	89	68	68	24,272
B. END FY 91	1572	13563	4363	1039	10530	0	21	45	63	30,196

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 11,917 AC

B. INVENTORY TOTAL AS OF 30 SEP 85	355,532
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	24,429
F. PLANNED IN NEXT THREE YEARS	250,413
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	633,574

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
171	394	APPLIED INSTRUCTION BLDG	3,200	06/85	09/86
		SUBTOTAL PROJECTS OVER $1M	3,200		
		TOTAL	3,200		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	TANK DRIVER FACILITY	3,000
051	PORTER RIVER ROAD BRIDGE	1,779
740	PHYSICAL FITNESS CENTER	4,765
722	DINING FACILITY MOD-KNOX	2,262
722	DINING FACILITY MOD-KNOX	2,231
179	RANGE (IRETS-MPF)	2,772
310	TEST AND EVALUATION FC M1	6,452
730	BEST CHAPEL	1,160
	SUBTOTAL PROJECTS OVER $1M	24,429
	TOTAL	24,429

10. MISSION OR MAJOR FUNCTIONS:

Headquarters Fort Knox, USA Armor and Engineer Board, 1st, 2nd, and 4th Training Brigades, USAARMC Headquarters Commandant and Commander of Troops, 194th Armored Brigade, Fort Knox, MEDDAC, USA Reception Station, US Army Research Institute Field Unit, Headquarters Second ROTC Region, USA Readiness Group Knox, USA Communications Command Agency, Committee Group, US Army Advisory Group, Logistical Assistance and Protection of Gold Depository, 16th Weather Squadron, Summer Training, Support of Civilian Components

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Knox Kentucky

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	4,260
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD 1 FORM DEC 76 DD1390C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Knox, Kentucky	4.PROJECT TITLE Applied Instruction Facility

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 171	7.PROJECT NUMBER 394	8.PROJECT COST ($000) Auth 3,200 Approp 3,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,365
Applied Instruction Bldg	SF	24,095	98.15	(2,365)
Supporting Facilities				536
Electric Service	LS	-	-	(319)
Water, Sewer & Gas	LS	-	-	(39)
Paving, Walks, Curbs & Gutters	LS	-	-	(65)
Storm Drainage	LS	-	-	(7)
Site Improvement	LS	-	-	(87)
Communication	LS	-	-	(19)
Subtotal				2,901
Contingency (5.00%)				145
Total Contract Cost				3,046
Supervision, Inspection & Overhead (5.50%)				168
Total Request				3,214
Total Request (Rounded)				3,200
Installed Equipment - Other Appropriations				(52,800)

10.Description of Proposed Construction Construction of an M-3 Cavalry Fighting Vehicle (CFV) instructional facility to house M-3 Institutional Conduct of Fire Trainers (ICOFT) with area for contractor maintenance and administration. Work to include utilities, excavation, roads and parking, fire sprinkler and alarm system, and site improvements. Heating to be from dual fired self-contained system, gas primary and oil standby. Air conditioning with self-contained system. Air conditioning: 261 tons.

11. REQUIREMENT: 739,924 SF ADEQUATE: 470,722 SF SUBSTANDARD: 209,360 SF

PROJECT: Construct an instructional facility for training on the M-3 Cavalry Fighting Vehicle.

REQUIREMENT: This project is required to provide the 1st Armor Training Brigade with adequate instructional and testing facilities for the M-3 Cavalry Fighting Vehicle (CFV) course of instruction (COI). This COI is greatly enhanced by the incorporation of computer simulation Institutional Conduct of Fire Trainers (ICOFT). The COI incorporating ICOFT devices will offer soldiers conduct of fire training under a variety of simulated combat conditions which are impossible to duplicate by use of actual vehicles. This project is required to realize the cost savings in operation and maintenance by using a simulation device.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Knox, Kentucky		
4.PROJECT TITLE Applied Instruction Facility		5.PROJECT NUMBER 394

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Fort Knox has no facilities which can provide the temperature and humidity environmental control and electric service necessary to accommodate fielding of the M-3 ICOFT devices. General purpose classrooms and tank bays within the 1st Armor Training Brigade receive maximum use. Currently the M-3 CFV course of instruction is taught with actual vehicles. This limits the amount and degree of training that can be offered. Use of vehicles for training is also expensive in terms of operation and maintenance costs.

IMPACT IF NOT PROVIDED: If this project is not provided, teaching soldiers conduct of fire techniques under a wide variety of simulated combat conditions will not be possible. The ICOFT simulators that have been procured will have to be stored, thus exposing them to damage and deferring operation and maintenance cost savings.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ORIGINAL

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 120
(b) All Other Design Costs 109
(c) Total Cost 229
(d) Contract 168
(e) In-house 61

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
COMP SIM EQUIP	OPA	86	52800
		TOTAL	52,800

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Leavenworth Kansas	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .94

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	995	1275	2095	1083	1	17	30	1523	478	7,497
B. END FY 91	1064	1159	1978	1617	15	0	29	149	9	6,020

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	6,994 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	91,049
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,100
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	51,972
F. PLANNED IN NEXT THREE YEARS	110,517
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	254,638

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841	109	ELEV WATER STORAGE TANK	1,100	05/85	04/86
		SUBTOTAL PROJECTS OVER $1M	1,100		
		TOTAL	1,100		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
730	FIRE STATION	1,740
171	GENERAL INSTRUCTION BLDG	25,062
171	LEARNING RESEARCH CENTER	25,170
	SUBTOTAL PROJECTS OVER $1M	51,972
	TOTAL	51,972
B. PLANNED NEXT THREE PROGRAM YEARS		
610	COMBINED ARMS CENTER	27,048
724	BOQ	22,737
	SUBTOTAL PROJECTS OVER $1M	49,785
	TOTAL	49,785

10. MISSION OR MAJOR FUNCTIONS:

Provide administrative and logistical support to US Army Command and General Staff College, US Army Disciplinary Barracks, US Army Combined Arms Center and other tenant organizations.

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Leavenworth Kansas

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES.

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Leavenworth, Kansas	4.PROJECT TITLE Water Storage Tank

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 841	7.PROJECT NUMBER 109	8.PROJECT COST ($000) Auth 1,100 Approp 1,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				993
Storage Tank with 12" Feeder Main and High Service and Pump Replacement	LS	-	-	(803)
Water Main Replmt & Additions	LS	-	-	(190)
Supporting Facilities				0
Subtotal				993
Contingency (5.00%)				50
Total Contract Cost				1,043
Supervision, Inspection & Overhead (5.50%)				57
Total Request				1,100
Total Request (Rounded)				1,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Provide a 1,000,000 gallon water storage tank. This project will include necessary distribution piping, security fencing, cathodic protection, a 10-inch pump with 150 H.P. motor to replace and upgrade the existing pump station.

11. REQUIREMENT: 2,300 KG ADEQUATE: 1,300 KG SUBSTANDARD: None

PROJECT: Provide a 1,000,000 gallon water storage tank.

REQUIREMENT: This project is required to provide an adequate storage for water distribution and fire fighting. This project will allow for an energy savings by pumping to the storage facility during the off peak hours when utilities rates are at their minimum for operation of this facility. The project will provide altitude valves to eliminate the possibility of allowing a storage tank to overflow while another drains empty.

CURRENT SITUATION: At the present time there are three reinforced concrete water storage reservoirs in service on the post. All three are located on the hills along the west side of the installation, but because of the difference in elevations only two of the reservoirs serve as an integral part of the post's water distribution system. These two tanks have a combined capacity of 1.3 million gallons. The third reservoir, with a capacity of 1.0 million gallons is used to furnish water to the U.S. Disciplinary Barracks Farm

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Leavenworth, Kansas		
4.PROJECT TITLE Water Storage Tank		5.PROJECT NUMBER 109

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

Colony. Water may be released manually to the distribution system, but the inadequacy of the common lines connecting the two lower tanks to the distribution system restricts the use of the higher elevation tank to limited emergency operation in the post's distribution system.

IMPACT IF NOT PROVIDED: If this project is not provided, the water distribution system will continue to be deficient. If the new mains are not installed, Fort Leavenworth's water supply will not be able to maintain adequate service to existing facilities and fire fighting will be hampered by inadequate pressures and supplies.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAY 85

(b) Percent Complete As Of January 1986 75

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....FEB 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 62

(b) All Other Design Costs 30

(c) Total Cost 92

(d) Contract 8

(e) In-house 84

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Lee Virginia	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .95

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	805	3061	3728	887	2945	320	0	0	0	11,746
B. END FY 91	790	2351	3562	803	4278	287	0	0	0	12,071

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 5,479 AC

B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	17,600
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	35,142
F. PLANNED IN NEXT THREE YEARS	98,018
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	150,760

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	135	GEN INSTRUCT BLDG ADDN	7,600	01/85	09/86
721	172	BARRACKS	10,000	08/84	03/86
		SUBTOTAL PROJECTS OVER $1M	17,600		
		TOTAL	17,600		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	QMS NCO TNG ACADEMY	2,365
721	BARRACKS	16,283
214	VEHICLE MAINT SHOP ORGAN.	1,450
610	TSA HEADQUARTERS	12,200
722	DINING FACILITY LEE	2,844
	SUBTOTAL PROJECTS OVER $1M	35,142
	TOTAL	35,142

10. MISSION OR MAJOR FUNCTIONS:

Provides support and facilities for the US Army Quartermaster Center and School, US Army Logistics Management Center, major combat and combat support forces and other tenant activities, support reserve components and other satellited activities and units.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Lee Virginia

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Lee, Virginia	4.PROJECT TITLE General Instruction Building Addition

5.PROGRAM ELEMENT 84731A	6.CATEGORY CODE 171	7.PROJECT NUMBER 135	8.PROJECT COST ($000) Auth 7,600 Approp 7,600

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,454
General Instruction Building	SF	56,500	75.98	(4,293)
Special Foundation Piling	LS	-	-	(161)
Supporting Facilities				2,440
Electric Service	LS	-	-	(64)
Water, Sewer & Gas	LS	-	-	(15)
Paving, Walks, Curbs & Gutters	LS	-	-	(19)
Storm Drainage	LS	-	-	(28)
Site Improvement (54) Demolition (13)	LS	-	-	(67)
Communication	LS	-	-	(2,247)
Subtotal				6,894
Contingency (5.00%)				345
Total Contract Cost				7,239
Supervision, Inspection & Overhead (5.50%)				398
Total Request				7,637
Total Request (Rounded)				7,600
Installed Equipment - Other Appropriations				(1,843)

10.Description of Proposed Construction Construct a three-story special design addition to an academic building, with elevator, utilities, roads and site development. Special features include videotape production and electronic classroom/satellite broadcast TV facilities. Heating and air conditioning systems by self-contained systems. Seven (7) temporary World War II buildings (31,698 SF) will be demolished. Accessibility for the handicapped will be provided. Air conditioning: 200 Tons.

11. REQUIREMENT: 182,300 SF ADEQUATE: 125,800 SF SUBSTANDARD: 31,698 SF

PROJECT: Construct an academic building addition.

REQUIREMENT: This project is required to replace obsolete training, mission support, and administrative temporary buildings currently supplementing the main academic building of the US Army Logistics Management Center (ALMC).

CURRENT SITUATION: The present facility was built to house 5,000 resident students annually and 200 members of the staff and faculty, plus support facilities (computer facility, library, auditoriums, cafeteria, and administrative space). The center now has a resident student requirement in FY 84 for 16,000 students and 400 staff and faculty. Additional facilities which cannot be provided in the main building are being provided through the use of substandard, energy wasteful, and environmentally deficient 43-year-old

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Lee, Virginia

4.PROJECT TITLE General Instruction Building Addition	5.PROJECT NUMBER 135

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
wooden temporary buildings.
IMPACT IF NOT PROVIDED: If this project is not provided, students and faculty will continue to work in crowded, unsafe conditions.
ADDITIONAL: An Economic Analysis comparing this project with the alternatives of renovating existing buildings indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JAN 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 344
(b) All Other Design Costs 91
(c) Total Cost 435
(d) Contract 275
(e) In-house 160

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TV Broadcast Equip	OPA	87-8	1843
		TOTAL	1,843

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Lee, Virginia	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 721	7.PROJECT NUMBER 172	8.PROJECT COST ($000) Auth 10,000 Approp 10,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				8,261
Barracks	SF	130,400	57.90	(7,550)
Company Administration & Supply	SF	11,200	63.44	(711)
Supporting Facilities				727
Electric Service	LS	-	-	(102)
Water, Sewer & Gas	LS	-	-	(46)
Paving, Walks, Curbs & Gutters	LS	-	-	(303)
Storm Drainage	LS	-	-	(112)
Site Improvement	LS	-	-	(123)
Communication	LS	-	-	(41)
Subtotal				8,988
Contingency (5.00%)				449
Total Contract Cost				9,437
Supervision, Inspection & Overhead (5.50%)				519
Total Request				9,956
Total Request (Rounded)				10,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a barracks with administration and supply facilities and classroom. Work to include required utilities, communications, fire protection and alarm systems, paving, storm drainage and site improvements. Air conditioning: 300 tons.

11. REQUIREMENT: 6,846 PN ADEQUATE: 4,472 PN SUBSTANDARD: 2,649 PN

PROJECT: Construct a barracks with administration, supply and classroom facilities.

REQUIREMENT: This project is required to provide adequate housing for 652 (maximum utilization) Advanced Infantry Training (AIT) students and Temporary Duty (TDY) enlisted personnel.

CURRENT SITUATION: Enlisted AIT and TDY personnel are currently living in substandard World War II temporary-type buildings. These facilities are structurally deteriorated, have inadequate utility support and fire protection systems, and are costly to maintain and repair.

IMPACT IF NOT PROVIDED: If this project is not provided, the continued use of substandard temporary buildings to billet enlisted personnel will perpetuate high maintenance costs, wasteful energy consumption, danger of fire, and will adversely affect troop morale and mission accomplishment.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Lee, Virginia		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 172

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	AUG 84
(b) Percent Complete As Of January 1986	95
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	MAR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	295
(b) All Other Design Costs	133
(c) Total Cost	428
(d) Contract	298
(e) In-house	130

(4) Construction Start .... JAN 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort McClellan Alabama	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .80

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	584	2546	1621	479	1305	14	9	277	0	6,895
B. END FY 91	640	2325	1875	757	6571	955	7	130	0	13,260

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	41,639 AC
B. INVENTORY TOTAL AS OF 30 SEP 85..........	153,180
C. AUTHORIZATION NOT YET IN INVENTORY..........	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..........	540
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........	23,341
F. PLANNED IN NEXT THREE YEARS..........	71,433
G. REMAINING DEFICIENCY..........	0
H. GRAND TOTAL..........	248,494

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	308	CHILD CARE CENTER	540	06/84	02/85
		SUBTOTAL PROJECTS $1M & LESS	540		
		TOTAL	540		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	DECON APPARATUS FACILITY	3,045
724	BOQ PERM PRTY	8,745
218	CONSOL FIELD MAINT SHOP	9,851
179	MOUT FACILITY	1,700
	SUBTOTAL PROJECTS OVER $1M	23,341
	TOTAL	23,341
B. PLANNED NEXT THREE PROGRAM YEARS :		
721	BATTALION COMPLEX	16,226
	SUBTOTAL PROJECTS OVER $1M	16,226
	TOTAL	16,226

10. MISSION OR MAJOR FUNCTIONS:

Provides support and facilities for the US Army Military Police Center and School, and for the US Army Chemical Center and School in the training and development of MP and chemical officers and NCO's. Provides support and facilities for the US Army Military Police Center and School, and for the US Army Chemical Center and School in the training and development of MP and chemical

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort McClellan Alabama

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

officers and NCO's.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Rucker Alabama	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .80

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1667	2984	3140	974	2449	10	89	433	234	11,980
B. END FY 91	1090	3231	3293	2407	788	0	89	433	234	11,565

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	121,097 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	146,197
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	44,500
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	21,958
F. PLANNED IN NEXT THREE YEARS	116,158
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	328,813

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
111	253	STAGEFIELDS FM II	27,000	02/85	05/86
179	269	AERIAL GUNNERY RANGE	17,500	06/85	08/86
		SUBTOTAL PROJECTS OVER $1M	44,500		
		TOTAL	44,500		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
411	POL LAB & AVN FUEL STORAGE	2,923
730	CHAPEL CENTER FACILITIES	5,853
141	TNG DEVICE/SOFTWARE SPT FA	3,208
171	FLIGHT SIMULATOR BLDG ACAT	2,000
724	BOQ LTS AVIATION BR	6,536
	SUBTOTAL PROJECTS OVER $1M	20,520
171	LEARNING CENTER	978
911	LAND HELD PURCHASE	460
	SUBTOTAL PROJECTS $1M & LESS	1,438
	TOTAL	21,958

10. MISSION OR MAJOR FUNCTIONS:

Provides facilities and support for the Army Aviation Center and School whose mission is to provide individual pilot training for all fixed wing and rotary wing aircraft and advanced doctrines and techniques.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Rucker Alabama

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Rucker, Alabama	4.PROJECT TITLE Stagefields

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 111	7.PROJECT NUMBER 253	8.PROJECT COST ($000) Auth 27,000 Approp 27,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,860
Landing Lane Paving/Pads (18)	LS	-	-	(7,358)
Stagefield Houses	SF	2,400	41.66	(100)
Crash/Rescue Building	SF	3,600	41.66	(150)
POL Storage Building	SF	432	52.07	(22)
Lighting Equipment Vault	SF	639	247.67	(158)
See Cost Estimates (Continued)				(72)
Supporting Facilities				16,910
Electric Service	LS	-	-	(672)
Water, Sewer & Gas	LS	-	-	(53)
Storm Drainage	LS	-	-	(1,020)
Site Improvement	LS	-	-	(14,691)
Communication	LS	-	-	(474)
Subtotal				24,770
Contingency (5.00%)				1,239
Total Contract Cost				26,009
Supervision, Inspection & Overhead (5.50%)				1,430
Total Request				27,439
Total Request (Rounded)				27,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of three (3) stagefields, each having six (6) bituminous lanes and one (1) grass lane for a total of seven (7) lanes; and one (1) ramp with eighteen (18) rigid concrete pads. Project includes a stagefield house, fire station, POL storage building and control tower (less cab). Work to include threshold and lane lighting, utilities, grading and storm drainage. Air conditioning: 6 tons.

11. REQUIREMENT: 1,051,224 SY ADEQUATE: 814,663 SY SUBSTANDARD: 66,666 SY

PROJECT: Construct three stagefields.

REQUIREMENT: This project is required to provide additional stagefield lanes to accommodate increased student flight training projected in the Force Modernization Program. Total requirement will increase from 68 to 86 lanes when the FY 84 - 89 projections and graduate training are implemented.

CURRENT SITUATION: Training at FY 83 levels is being carried out on the stagefield lanes now on hand.

IMPACT IF NOT PROVIDED: If this project is not provided, the planned increases will cause over-saturation of available lanes resulting in either a waiver of mandatory air crew rest requirements, lack of required weather makeup time, or expansion of aircraft inventory.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Fort Rucker, Alabama

4. PROJECT TITLE Stagefields	5. PROJECT NUMBER 253

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Control Tower	SF	984	72.90	72
			Total	72

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....FEB 85

(b) Percent Complete As Of January 1986 50

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 564

(b) All Other Design Costs 1,697

(c) Total Cost 2,261

(d) Contract .... ______

(e) In-house 2,261

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Rucker, Alabama	4.PROJECT TITLE Aerial Gunnery Range

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 179	7.PROJECT NUMBER 269	8.PROJECT COST ($000) Auth 17,500 Approp 17,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,217
Firing Position	EA	21	55,374	(1,163)
Administration/Control Building	SF	3,150	74.30	(234)
Explosive Handling Building	SF	400	14.64	(6)
Latrine	SF	700	32.11	(22)
Electronics Shop	SF	1,200	29.96	(36)
See Cost Estimates (Continued)				(4,756)
Supporting Facilities				9,637
Electric Service	LS	-	-	(1,368)
Water, Sewer & Gas	LS	-	-	(49)
Paving, Walks, Curbs & Gutters	LS	-	-	(4,622)
Storm Drainage	LS	-	-	(245)
Site Improvement	LS	-	-	(2,855)
Communication	LS	-	-	(498)
Subtotal				15,854
Contingency (5.00%)				793
Total Contract Cost				16,647
Supervision, Inspection & Overhead (5.50%)				916
Total Request				17,563
Total Request (Rounded)				17,500
Installed Equipment - Other Appropriations				(8,000)

10.Description of Proposed Construction Construct a gunnery range for use by the AH-64 Attack Helicopter. The range complex will consist of 12 training lanes, firing positions, stationary and moving target positions, storage, roads, and utilities. The range support facilities will consist of an administrative/control building, an explosive ordnance receiving and handling building, latrine, a target repair facility and a baseline area with 12 rearm points, 10 point refuel area, a holding area for 12 more aircraft, service roads, electrical power cables, sensor and control cables, and range clearing. The support facility will be constructed with its appropriate work storage and communication requirements. Heating and air conditioning will be provided by self- contained systems. Air conditioning: 11 tons.

11. REQUIREMENT: 1 EA ADEQUATE: None SUBSTANDARD: 2 EA

PROJECT: Construct a gunnery range for the AH-64/AH-1S Attack helicopter and OH-58A/D AHIP Scout helicopter.

REQUIREMENT: This project is required to field the AH-64 Attack Helicopter and to properly train aviators in this new aircraft. This facility will also support various other attack aircraft and allow for the integrated training with the OH-58D.

CURRENT SITUATION: Matteson Range is currently being used to conduct

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Rucker, Alabama		
4.PROJECT TITLE Aerial Gunnery Range		5.PROJECT NUMBER 269

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Sta. Vehicle Target Emplacement	EA	100	1,231	123
Moving Veh. Target Emplacement	EA	10	126,219	1,262
Moving Vehicle Target Bunker	EA	10	61,961	620
Armament/Target Repair Building	SF	1,400	31.19	44
Power Center	LS	-	-	52
Data and Power Terminal Box	LS	-	-	2,655
			Total	4,756

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
limited aerial gunnery training. This existing range is substandard and does not meet the expanded requirements needed to train on the new aircraft. There has been no range modernization program since its creation during the Vietnam era; nor emphasis on attack helicopter weapons qualification due to the lack of standardization in attack helicopter weapons training and qualification requirements. There is no automatic scoring targetry nor moving targets. Without moving targets, pilots cannot be properly trained to accurately lock-on and track an elusive target while compensating for aircraft movement. The existing range also cannot provide training with the laser rangefinder/designator which is essential for accurate weapons firing and a requirement for firing the HELLFIRE missile.

IMPACT IF NOT PROVIDED: If this project is not provided, formal training will not be fully accomplished. Further training will have to be performed by the unit at other locations which may not have the capability to train the aviators, nor the expertise that is available here.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 1,230
(b) All Other Design Costs 409
(c) Total Cost 1,639

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Rucker, Alabama		
4. PROJECT TITLE Aerial Gunnery Range		5. PROJECT NUMBER 269

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3)	Total Cost: (Continued)	($000)
	(d) Contract	1,050
	(e) In-house	589
(4)	Construction Start	FEB 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Target Mechanisms	DARRT	87	8000
		TOTAL	8,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Sill Oklahoma	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .90

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1765	12484	3795	1487	7517	0	19	30	0	27,097
B. END FY 91	1621	10325	3608	1148	8416	0	30	33	24	25,205

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	94,221 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	336,090
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,050
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	97,321
F. PLANNED IN NEXT THREE YEARS	195,454
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	631,915

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	333	CENTRAL PRE WASH FAC	3,050	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	3,050		
		TOTAL	3,050		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
740	ATC REC/FITNESS CTR	[illegible],350
179	IRETS RANGES (2ND INCR)	3,398
214	DS/GS MAINTENANCE COMPLEX	6,054
510	HOSPITAL PH II REYNOLDS	51,841
171	NCO ACADEMY COMPLEX	10,640
317	COMM ELEC ADD LABS	2,742
721	BARRACKS COMPLEX	18,296
	SUBTOTAL PROJECTS OVER $1M	97,321
	TOTAL	97,321

10. MISSION OR MAJOR FUNCTIONS:

Support and training of artillery and missile units, operation of the US Army Field Center and School, US Army Reception Center and provides support for tenant activities and Reserve Components summer training

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Sill Oklahoma

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Sill, Oklahoma	4. PROJECT TITLE Vehicle Wash Facility

5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 214	7. PROJECT NUMBER 333	8. PROJECT COST ($000) Auth 3,050 Approp 3,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,946
Primary Pump House	SF	950	67.69	(64)
Filter Pump House	SF	500	67.69	(34)
Recirculation Pump House	SF	500	67.69	(34)
Control Booth	SF	96	73.58	(7)
Latrine/Break Bldg	SF	500	67.69	(34)
See Cost Estimates (Continued)				(1,773)
Supporting Facilities				787
Electric Service	LS	-	-	(125)
Water, Sewer & Gas	LS	-	-	(152)
Paving, Walks, Curbs & Gutters	LS	-	-	(154)
Storm Drainage	LS	-	-	(14)
Site Improvement	LS	-	-	(312)
Communication	LS	-	-	(30)
Subtotal				2,733
Contingency (5.00%)				137
Total Contract Cost				2,870
Supervision, Inspection & Overhead (5.50%)				158
Total Request				3,028
Total Request (Rounded)				3,050
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a fire-resistant vehicle washing facility to include pump houses, control booths, one wash station for tracked vehicles and one wash station for wheeled vehicles, pumps and controls, grit and oil chambers, waste oil storage tank, equalization basin, filter area including service roadway, and detention pond. Supporting facilities include electrical, water, sanitary and industrial waste systems, curbs and gutters, site preparation and erosion control, and communications. Heating and air conditioning with self-contained system. Air conditioning: 2 tons.

11. REQUIREMENT: 69,136 SF ADEQUATE: 66,590 SF SUBSTANDARD: None

PROJECT: Construct a vehicle wash facility.

REQUIREMENT: This project is required to consolidate all the exterior washing of vehicles using the West Range at one location. More than 2,100 vehicles use this range annually.

CURRENT SITUATION: At present, washing and maintenance cleaning activities for vehicles using the West Range generate various soils and concentrations of water pollution consisting of oily residues, suspended solids, solvents, detergents, and fuels. Heavy usage of the scattered wash racks results in overloading these wash rack facilities to the point that vehicle washing must stop in order to clean the wash racks and haul off the waste products. The

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Sill, Oklahoma		
4.PROJECT TITLE Vehicle Wash Facility		5.PROJECT NUMBER 333

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Wheel Vehicle Wash Area	SY	12,000	54.14	650
Tracked Vehicle Wash Area	SY	12,000	54.14	650
Pumps and Controls	LS	-	-	230
Waste Oil Storage Tank	GA	2,000	2.16	4
Grit and Oil Chamber	SF	3,000	6.80	20
Equalization Basin	SF	4,000	6.54	26
Filter Area w/Roadway	SF	35,000	4.57	160
Detention Pond	SF	12,600	2.61	33
			Total	1,773

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
average wash facility has six hose stations, each of which has two, one-half-inch outlets. The volume of water available from these outlets is not sufficient to permit efficient vehicle washing under extreme soiling conditions.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Sill will continue to discharge marginal waste products from indequate wash racks scattered throughout the motor pool areas. Violations of statutory regulations concerning the discharge of polluted wastewater can result in enforcement action by the regulatory agencies. In addition, Fort Sill will continue to utilize additional manpower required to operate the various smaller wash racks, throughout the motor pool areas, thus wasting time and money that could be used for preventive maintenance.

ADDITIONAL: An economic analysis of this project indicates that this project saves $929,046 each year in manpower and material resources. A discounted net present value of this project indicates a payback in 3.5 years.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... NOV 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 140

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Sill, Oklahoma		
4. PROJECT TITLE Vehicle Wash Facility		5. PROJECT NUMBER 333

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued)

		($000)
(b)	All Other Design Costs	30
(c)	Total Cost	170
(d)	Contract	160
(e)	In-house	10

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Story Virginia	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .95

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	38	723	275	0	0	0	40	144	0	1,220
B. END FY 91	47	764	10	0	0	0	85	287	54	1,247

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	1,451 AC
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	27,161
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	2,700
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	1,057
F. PLANNED IN NEXT THREE YEARS....................................	3,761
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	34,679

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
811	59	UPGRADE ELETRICAL SYSYEM	1,700	06/85	07/86
		SUBTOTAL PROJECTS OVER $1M	1,700		
442	53	MLMS STRG/MAINT BLDG	1,000	02/84	08/84
		SUBTOTAL PROJECTS $1M & LESS	1,000		
		TOTAL	2,700		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
730	PUB SAFETY BLDG	1,057
	SUBTOTAL PROJECTS OVER $1M	1,057
	TOTAL	1,057
B. PLANNED NEXT THREE PROGRAM YEARS		
442	GENERAL PURPOSE WHSE	1,615
851	UPGRADE/REALIGN ATLANTIC A	1,500
	SUBTOTAL PROJECTS OVER $1M	3,115
724	BACHELOR OFFICER QTRS	646
	SUBTOTAL PROJECTS $1M & LESS	646
	TOTAL	3,761

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Story Virginia

10. MISSION OR MAJOR FUNCTIONS:

Amphibious training of active Army and reserve units. Provides support to the US Army Transportation school at Fort Eustis and various tenant activities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Story, Virginia	4.PROJECT TITLE Electrical Distribution System Upgrade

5.PROGRAM ELEMENT 85796A	6.CATEGORY CODE 811	7.PROJECT NUMBER 59	8.PROJECT COST ($000) Auth 1,700 Approp 1,700

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,484
Pole Transformers w/Accessories	EA	185	1,459	(270)
Padmounted Transformers w/Pads	EA	13	11,255	(146)
Crossarms w/Hardware & Insulator	EA	633	160.00	(101)
Poles Complete	EA	125	1,050	(131)
Switching Station	EA		161,400	(161)
See Cost Estimates (Continued)				(675)
Supporting Facilities				0
Subtotal				1,484
Contingency (10.00%)				148
Total Contract Cost				1,632
Supervision, Inspection & Overhead (5.50%)				90
Total Request				1,722
Total Request (Rounded)				1,700
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Upgrade the electrical distribution system. All switches, fuses, and insulators will be replaced with items complying with the 15KV insulating class. Switchable dual voltage transformers will replace existing transformers (sized for maximum efficiency) to allow continuous system operation. Existing transformer and associated electrical equipment containing PCBs will be identified and disposed of in strict accordance with all applicable EPA regulations. All deteriorated poles, crossarms, guys, and other failing electrical structures will be replaced as required. Power factor correction capacitors and associated switching will be installed.

11. REQUIREMENT: 201,719 LF ADEQUATE: 172,174 LF SUBSTANDARD: None

PROJECT: Provide upgrade of electrical distribution system.

REQUIREMENT: This project is required to support increasing electrical power demands. The existing electrical distribution system will begin experiencing frequent power outages unless major modifications are made. Accomplishment of this project will provide a complete distribution system that is adaptable to missions and facilities programmed in the near future; the project will triple the KVA line load capacity.

CURRENT SITUATION: The maximum load distribution capacity of the existing system will soon be exceeded. The estimated demand load of 3497.5 KVA by the

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Fort Story, Virginia

4. PROJECT TITLE Electrical Distribution System Upgrade	5. PROJECT NUMBER 59

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
OH-UG Transition	EA		4,000	80
Primary Cable	LF	8,700	6.00	52
Manholes	EA		3,500	17
Cutouts, Arrestors & Grdng Netwk	EA		1,000	52
Rework all poles as required	EA	92	1,000	92
Pole Top Load Interruptor Switch	EA	6	8,500	51
14.4 KV Switches & Capacitors	EA	6	5,000	30
3-4 Way Ductbank Concrete Encase	LF	1,200	20.85	25
High Voltage Splices	EA	15	1,000	15
Fencing	LF	160	12.50	2
Remove Poles and Hardware	EA	100	110.00	11
Remove Transformers	EA	200	100.00	20
PCB-Disposal	EA	200	570.00	114
Utility Company Allowance	LS		-	114
			Total	675

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
end of FY 86 is 94 percent of the substation's capacity. The additional load also presents primary line distribution problems because of the maximum circuit capacity of 100 amperes at 4160 volts and excessive line voltage and associated energy losses. The capability of the supporting VEPCO system is adequate to handle this upgrade of the Army distribution system with a substation modification, but the existing Army system is not adaptable to use without the equipment changes proposed. Spot outages increasingly occur with lengthy interruption of power service while repairs are being made.

IMPACT IF NOT PROVIDED: If this project is not provided, the electric distribution system will be too small to efficiently handle the electrical load existing and anticipated load resulting in power losses. Planned and programmed facilities with large electrical requirements will not be supported.

ADDITIONAL: An Economic Analysis comparing this project with the alternative of status quo operations indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Story, Virginia

4.PROJECT TITLE Electrical Distribution System Upgrade	5.PROJECT NUMBER 59

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(d) Date Design Complete .... JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3)	Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a)	Production of Plans and Specifications	50
(b)	All Other Design Costs	19
(c)	Total Cost	69
(d)	Contract	59
(e)	In-house	10

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		
		TOTAL	None

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Leonard Wood Missouri	4. COMMAND US ARMY TRAINING AND DOCTRINE COMMAND	5. AREA CONSTRUCTION COST INDEX .91

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	353	3299	2635	3	9058	0	287	1835	661	18,131
B. END FY 91	623	4872	2202	622	11023	0	47	45	2116	21,550

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	62,911 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	342,093
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	43,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	35,284
F. PLANNED IN NEXT THREE YEARS	126,544
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	547,121

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610	120	NEW ADMIN FAC CSJF 234	14,000	07/85	08/86
171	219	APPL INST ENG SCH CSJF234	16,000	07/85	08/86
724	218	BOQ STUDENT CSJF234	13,200	07/85	08/86
		SUBTOTAL PROJECTS OVER $1M	43,200		
		TOTAL	43,200		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	WEAPONS INST BLDG	2,769
171	VEH DRV/MECH APPL INST FAC	12,561
171	TRAINING AIDS CTR CSJF 234	13,205
179	IRETS RANGES	1,250
740	LIBRARY NEW CSJF234	5,204
	SUBTOTAL PROJECTS OVER $1M	34,989
149	RAIL LOADING RAMPS	295
	SUBTOTAL PROJECTS $1M & LESS	295
	TOTAL	35,284

10. MISSION OR MAJOR FUNCTIONS:

The establishment and operation of courses in Basic, Combat, Advanced Individual, Drill Sergeant School, and Technical Engineer training.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Leonard Wood Missouri

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Leonard Wood, Missouri	4.PROJECT TITLE Engineer School/Post Headquarters Building

5.PROGRAM ELEMENT 84731A	6.CATEGORY CODE 610	7.PROJECT NUMBER 120	8.PROJECT COST ($000) Auth 14,000 Approp 14,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				9,086
Post Headquarters Bldg	SF	123,400	73.00	(9,008)
Special Foundation	LS	-	-	(78)
Supporting Facilities				3,641
Electric Service	LS	-	-	(171)
Water, Sewer & Gas	LS	-	-	(156)
Paving, Walks, Curbs & Gutters	LS	-	-	(421)
Storm Drainage	LS	-	-	(69)
Site Improvement (603) Demolition (21)	LS	-	-	(624)
Communication	LS	-	-	(2,200)
Subtotal				12,727
Contingency (5.00%)				636
Total Contract Cost				13,363
Supervision, Inspection & Overhead (5.50%)				735
Total Request				14,098
Total Request (Rounded)				14,000
Installed Equipment - Other Appropriations				(1,160)

10.Description of Proposed Construction Construct a combined Engineer School Administration and Post Headquarters building to include offices, meeting rooms, lounges, ADP areas, classified communications area, and the Emergency Operations Center. Heating to be provided from a central plant. An additional 30-day fuel oil supply will be added to the plant. The project will contain utilities, intrusion detection system (IDS), closed circuit television (CCTV), communications, fire protection and alarm system, storm drainage, site improvements and routing the existing overhead electrical distribution off the site via underground ducts. Demolish seventeen (17) buildings (67,992 SF). Air conditioning: 340 tons.

11. REQUIREMENT: 199,606 SF ADEQUATE: 12,802 SF SUBSTANDARD: 49,505 SF

PROJECT: Construct a combined Engineer School Administration and Post Headquarters building.

REQUIREMENT: This project is required to provide command space for the Engineer School when relocated to Fort Leonard Wood. The facility will accommodate the 543 personnel working directly for the school. This is a new mission for Fort Leonard Wood for which no facilities exist. The project is also required to consolidate 199 members of the installation staff with the school function after relocation.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Leonard Wood, Missouri		
4.PROJECT TITLE Engineer School/Post Headquarters Building		5.PROJECT NUMBER 120

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The Engineer School is currently located at Fort Belvoir, Virginia and will be relocated to Fort Leonard Wood. Fort Leonard Wood presently has few facilities to accommodate this portion of the school. The 199 personnel at Fort Leonard Wood are currently located in 13 separate facilities and occupy 62,307 SF of space. This is twice the space required, but ten (10 of the buildings (49,505 SF) are World War II temporary-type structures. The excess space exists because of the redundancy of separate facilities. There are also operational losses due to this separation of staffs.

IMPACT IF NOT PROVIDED: If this project is not provided, the Engineer School will be placed in numerous World War II temporary-type buildings. In addition, the post staff will not be fully integrated with the new mission and the Engineer School and Fort Leonard Wood will be unable to properly perform their missions.

ADDITIONAL: An Economic Analysis comparing this project with the alternatives of status quo and renewal of units indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient. The appropriation request in Block 8 reflects a cost savings of $1,900,000 based on awarding a single construction contract for this project with Project Number 219 at Fort Leonard Wood.

12. SUPPLEMENTAL DATA:
  A. Estimated Design Data:
    (1) Status:
      (a) Date Design Started .... JUN 84
      (b) Percent Complete As Of January 1986 100
      (c) Percent Complete As Of October 1986 100
      (d) Date Design Complete .... JUN 85

    (2) Basis:
      (a) Standard or Definitive Design - Yes ___ No X
      (b) Where Design Was Most Recently Used N/A

    (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
      (a) Production of Plans and Specifications 490
      (b) All Other Design Costs 154
      (c) Total Cost 644
      (d) Contract 580
      (e) In-house 64

    (4) Construction Start .... APR 87
      month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Leonard Wood, Missouri		
4.PROJECT TITLE Engineer School/Post Headquarters Building		5.PROJECT NUMBER 120

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Furnishings	OPA	87	1160
		TOTAL	1,160

1.COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE
ARMY		14 FEB 86

3.INSTALLATION AND LOCATION	4.PROJECT TITLE
Fort Leonard Wood, Missouri	Unaccompanied Officers Housing

5 PROGRAM ELEMENT	6.CATEGORY CODE	7.PROJECT NUMBER	8.PROJECT COST ($000)
84731A	724	218	Auth 13,200 Approp 13,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				10,116
Unaccompanied Officers Housing	SF	182,277	55.50	(10,116)
Supporting Facilities				1,889
Electric Service	LS	-	-	(142)
Water, Sewer & Gas	LS	-	-	(167)
Paving, Walks, Curbs & Gutters	LS	-	-	(452)
Storm Drainage	LS	-	-	(42)
Site Improvement (550) Demolition (23)	LS	-	-	(573)
Communication	LS	-	-	(513)
Subtotal				12,005
Contingency (5.00%)				600
Total Contract Cost				12,605
Supervision, Inspection & Overhead (5.50%)				693
Total Request				13,298
Total Request (Rounded)				13,200
Installed Equipment - Other Appropriations				(1,750)

10.Description of Proposed Construction Construct unaccompanied officers housing to include all utilities, storm drainage, communications, fire detectors/alarm system, parking, and site improvements. Heating by connection to installation LP gas system. Air conditioning by individual units: 401 tons.

11. REQUIREMENT: 755 PN ADEQUATE: 124 PN SUBSTANDARD: 216 PN

PROJECT: Construct unaccompanied officers housing.

REQUIREMENT: This project is required to provide housing for 364 officer students (maximum utilization) of the Engineer School which is being relocated to Fort Leonard Wood.

CURRENT SITUATION: The Engineer School is currently located at Fort Belvoir, Virginia and will be relocated to Fort Leonard Wood. Fort Leonard Wood presently has few facilities to accommodate this portion of the school.

IMPACT IF NOT PROVIDED: If this project is not provided, the Engineer Officer students will have to be housed off-post at government expense or they will have to be housed in 40-year old, temporary-type World War II barracks.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Leonard Wood, Missouri		
4.PROJECT TITLE Unaccompanied Officers Housing		5.PROJECT NUMBER 218

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(a) Date Design Started ....JUN 84
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUL 85

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 1,105
(b) All Other Design Costs 35
(c) Total Cost 1,140
(d) Contract 950
(e) In-house 190

(4) Construction Start .... APR 84
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Furnishings	OPA	87	1750
		TOTAL	1,750

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Leonard Wood, Missouri	4. PROJECT TITLE Applied Instruction Facility

5. PROGRAM ELEMENT 84731A	6. CATEGORY CODE 171	7. PROJECT NUMBER 219	8. PROJECT COST ($000) Auth 16,000 Approp 16,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				10,731
Applied Instruction Bldg	SF	126,522	59.00	(7,465)
Central Plant W/Equip	SF	10,000	258.00	(2,580)
Special Foundation	LS	-	-	(686)
Supporting Facilities				3,935
Electric Service	LS	-	-	(440)
Water, Sewer & Gas	LS	-	-	(403)
Paving, Walks, Curbs & Gutters	LS	-	-	(1,094)
Storm Drainage	LS	-	-	(179)
Site Improvement	LS	-	-	(1,575)
Communication	LS	-	-	(244)
Subtotal				14,666
Contingency (5.00%)				733
Total Contract Cost				15,399
Supervision, Inspection & Overhead (5.50%)				847
Total Request				16,246
Total Request (Rounded)				16,000
Installed Equipment - Other Appropriations				(1,400)

10. Description of Proposed Construction Construct an academic facility to include classrooms, labs, offices, rehearsal rooms, an auditorium, a publications warehouse, a cafeteria/snack bar, storage areas, latrines and break areas and mechanical rooms. Audio-visual support systems will include closed-circuit TV, cable TV and in-class speakers. The building will include utilities, sprinkler system and fire alarms, communications and site improvements. Heating will be from a central plant, which will be enlarged by 10,000 SF. Air conditioning will be from a self-contained system. Accessibility for the handicapped will be provided. Air conditioning: 446 tons.

11. REQUIREMENT: 466,471 SF ADEQUATE: 70,341 SF SUBSTANDARD: 20,264 SF

PROJECT: Construct an applied instruction building.

REQUIREMENT: This project is required to provide the necessary classroom and support facilities to conduct training in the Engineer School being relocated to Fort Leonard Wood.

CURRENT SITUATION: The Engineer School is currently located at Fort Belvoir, Virginia and will be relocated to Fort Leonard Wood. Fort Leonard Wood presently has few facilities to accommodate this portion of the school.

IMPACT IF NOT PROVIDED: If this project is not provided, the Engineer School will be forced to conduct classes in overcrowded facilities, adversely

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fort Leonard Wood, Missouri

4.PROJECT TITLE Applied Instruction Facility	5.PROJECT NUMBER 219

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
affecting its mission accomplishment.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $400,000 based on awarding a single construction contract for this project with project number 120 at Fort Leonard Wood.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
 (1) Status:
  (a) Date Design Started 01OCT84
  (b) Percent Complete As Of January 1986 30
  (c) Percent Complete As Of October 1986 100
  (d) Date Design Complete 31JUL85

 (2) Basis:
  (a) Standard or Definitive Design - Yes ___ No ___
  (b) Where Design Was Most Recently Used unknown

 (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  (a) Production of Plans and Specifications 840
  (b) All Other Design Costs .... ______
  (c) Total Cost 840
  (d) Contract 700
  (e) In-house 140

 (4) Construction Start 01APR86
 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Furniture	OPA	88	1400
		TOTAL	1,400

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
USMA

INSTALLATION PN	PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
United States Military Academy				
United States Military Academy, NY				365
187	General Instruction Building	0	7,400	367
219	Academic Facility Modernization	15,500	15,500	370
237	Academic Facility Modernization Phase II	13,000	13,000	373
	SUBTOTAL FOR United States Military Academy	$ 28,500	35,900	
	*TOTAL United States Military Academy	$ 28,500	35,900	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION United States Military Academy New York	4. COMMAND UNITED STATES MILITARY ACADEMY	5. AREA CONSTRUCTION COST INDEX 1.17

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	809	528	2197	4530	0	0	87	441	180	8,772
B. END FY 91	904	770	2343	4417	0	0	106	616	715	9,871

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	17,005 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	302,201
C. AUTHORIZATION NOT YET IN INVENTORY	22,000
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	35,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	28,086
F. PLANNED IN NEXT THREE YEARS	132,300
G. REMAINING DEFICIENCY	10,700
H. GRAND TOTAL	531,187

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	187	GENERAL INSTRUCTION BLDG MOD	7,400	07/83	09/85
171	219	MOD & EXPND ACAD FAC 1B	15,500	11/84	05/86
171	237	MODN ACADEMIC FAC PH II	13,000	09/85	10/86
		SUBTOTAL PROJECTS OVER $1M	35,900		
		TOTAL	35,900		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
740	EISENHOWER HALL RENOVATION	1,100
740	CADET CLOTHING BLDG MOD	1,759
179	ANTI ARMOR TRACKING RANGE	1,090
721	UPGRADE SCOTT BARRACKS	12,600
171	MOD & EXPAND ACAD FACS III	5,000
179	AUTO RIFLE MARKSMAN RANGE	1,515
760	CEMETARY ANNEX PREPARATION	1,900
831	SANITARY SEWER	2,200
	SUBTOTAL PROJECTS OVER $1M	27,164
740	UNIT RECREATION CENTER	922
	SUBTOTAL PROJECTS $1M & LESS	922
	TOTAL	28,086

10. MISSION OR MAJOR FUNCTIONS

The mission of the United States Military Academy is to educate, train, and inspire the Corps of Cadets so that each graduate shall have the character, leadership, intellectual

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: United States Military Academy New York

10. MISSION OR MAJOR FUNCTIONS: (CONTINUE)

foundation, and other attributes essential to progression and continuing development throughout a career of exemplary service to the nation as officer of the Regular Army. USMA is the installation manager for Stewart Army Subpost.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	7,800
B. WATER POLLUTION	16,700
C. OCCUPATIONAL SAFETY AND HEALTH	7,200

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION United States Military Academy, New York	4.PROJECT TITLE General Instruction Building

5.PROGRAM ELEMENT 85896A	6.CATEGORY CODE 171	7.PROJECT NUMBER 187	8.PROJECT COST ($000) Auth 0 Approp 7,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,360
Renovation/Addition	SF	39,000	163.09	(6,360)
Supporting Facilities				0
Subtotal				6,360
Contingency (10.00%)				636
Total Contract Cost				6,996
Supervision, Inspection & Overhead (5.50%)				385
Total Request				7,381
Total Request (Rounded)				7,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Renovate an instruction building by providing structural modifications and a framework for a mezzanine floor, demolition of partitions, construction of new partitions, ceilings, flooring, lighting, plumbing, communication systems, fire alarm system, heating, ventilating and air conditioning, and construction of additional academic instructional space as a new sixth floor in compatible materials to the adjacent historic structure.

11. REQUIREMENT: 39,000 SF ADEQUATE: None SUBSTANDARD: 25,000 SF

PROJECT: Renovate two wings of the fifth floor and construct a sixth floor to Washington Hall.

REQUIREMENT: This project is required to modernize a 50-year-old academic facility and provide additional specialized laboratories and classrooms for programs in Military Instruction (tactics/terrain models), Geography and Computer Sciences (surveying/computer labs). It is needed to enhance the academic curriculum to meet the Army's need for competitive officer recruiting and officer graduates with a solid technical background.

CURRENT SITUATION: Changing from a fixed curriculum (all cadets taking the same courses) to a variable curriculum has reduced class size and increased classroom use to where there are not enough classrooms to support all teaching

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
United States Military Academy, New York

4. PROJECT TITLE General Instruction Building	5. PROJECT NUMBER 187

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

requirements. The Department of Military Instruction (DMI) and the Department of Geography and Computer Science are adversely affected by the lack of classroom, laboratory and cadet-faculty tutorial areas. DMI classes are taught in a variety of odd-sized classrooms in Chemistry, Physics and Foreign Language areas on a space available basis as well as two large atrium-type bays formerly used as daylighted mechanical drafting rooms. One of the bays has been converted using temporary GSA partitions to form the required 25 man teaching space. However, this arrangement results in interference between classes and life safety code deficiencies. The Department needs larger classrooms to take advantage of the current state of the art in training aids, tables, terrain models and war games. The Department of Computer and Geography Science uses 1930-era classrooms, which severely limits the effectiveness of instruction and creates space shortages arising from introduction of automatic data processing into the curriculum. The existing facilities are inadequately lighted and have inefficient and substandard environmental systems which compounds the problems of using computers and terrain models for instruction. Insufficient and substandard space is used for equipment storage, department library and tutorial area. Most of the space in use is over 50 years old and is wholly inadequate for academic instruction of the 80s and 90s. The existing facilities are inadequately insulated and extremely energy inefficient due to infiltration and substandard control of heating systems. In addition to meeting DMI needs, this project provides space for: surveying/environmental labs; expanding the cartography/remote sensing lab, geology lab, computer labs, and departmental library; cadet/faculty tutorial areas; two lecture facilities; and expanded administrative area.

IMPACT IF NOT PROVIDED: If this project is not provided, the substandard and energy inefficient facilities will continue to be used for academics and administration. The lack of additional academic space will preclude full realization of the Military Instruction curriculum and deprive cadets of essential training in technologies involved in computer systems and cartography. Failure to expand and modernize academic facilities in support of the curriculum will jeopardize the accreditation of the academic program by the Accreditation Board for Engineering Technology (ABET) and adversely affect the quality of the education provided to cadets at the United States Military Academy.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUL 83

(b) Percent Complete As Of January 1986 100

(c) Percent Complete As Of October 1986 100

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION United States Military Academy, New York		
4.PROJECT TITLE General Instruction Building		5.PROJECT NUMBER 187

12. SUPPLEMENTAL DATA: (Continued)
A. Estimated Design Data: (Continued)
(1) Status: (Continued)
(d) Date Design Complete .... SEP 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	400
(b) All Other Design Costs	191
(c) Total Cost	591
(d) Contract	516
(e) In-house	75

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION United States Military Academy, New York	4.PROJECT TITLE Academic Facility Modernization

5.PROGRAM ELEMENT 85896A	6.CATEGORY CODE 171	7.PROJECT NUMBER 219	8.PROJECT COST ($000) Auth 15,500 Approp 15,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,459
Modernize ADP Building	SF	65,640	82.42	(5,410)
Modernize Library Building	SF	23,990	35.01	(840)
Add Archive Vault	SF	9,000	134.33	(1,209)
Supporting Facilities				6,098
Water, Sewer & Gas	LS	-	-	(527)
Site Improvement	LS	-	-	(1,698)
Communication	LS	-	-	(904)
Water, Gas, Electric & Signals	LS	-	-	(2,969)
Subtotal				13,557
Contingency (10.00%)				1,356
Total Contract Cost				14,913
Supervision, Inspection & Overhead (5.50%)				820
Total Request				15,733
Total Request (Rounded)				15,500
Installed Equipment - Other Appropriations				(0)

10 Description of Proposed Construction Conversion and modernization of a dormitory and cafeteria for use as an automatic data processing center. Conversion and modernization of a college lending library to library archives with a Visitor's Information Center and an addition to house an archives vault. Both projects include an upgrade of all utilities and telecommunications, security fencing, and gates, parking, driveways, sidewalks, landscaping and site work. Air conditioning: 235 tons.

11. REQUIREMENT: 179,830 SF ADEQUATE: None SUBSTANDARD: 170,830 SF

PROJECT: Convert and modernize a former dormitory/cafeteria into an automatic data processing center. Modernize a lending library building and construct an addition to house an archives vault.

REQUIREMENT: This project is required as the third in a series supporting the Military Academy's program for Academic Space Modernization and Expansion. It will incorporate the former Ladycliff College into the Military Academy as the New South Post. The project will connect utilities from the existing South Post boundary, provide secure gates to public thoroughfares, renovate two substandard structures to be used for administrative and support activities, convert and modernize Building 2101 (a college dormitory and cafeteria building) to support academic and automatic data processing

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION United States Military Academy, New York		
4.PROJECT TITLE Academic Facility Modernization		5.PROJECT NUMBER 219

11. REQUIREMENT: (Continued)
REQUIREMENT: (Continued)
activities, and convert existing lending library building space to be used for Military Academy archives, and build a 9,000 square-foot vault addition to the lending library.
CURRENT SITUATION: The Military Academy has established a majors program at West Point. This program is to meet the Army's need for competitive officer recruiting and graduates with a solid technical base. The academic departments are restricted by the lack of sufficient library, laboratory, classroom, and cadet-faculty interaction space to accommodate the current curriculum. Students now select 1 of 16 majors from 26 fields of study. The new curriculum has resulted in a requirement for approximately 115,000 SF of additional academic space, of which approximately 54,000 SF will be facilitated through relocations to these converted facilities at New South Post. The balance of 115,000 SF will be obtained through relocation of other non-academic functions to facilities at New South Post, (in the Phase 1A program). This project is the third of a series of projects beginning with the acquisition of Ladycliff, and conversion and modernization Phase 1A.
IMPACT IF NOT PROVIDED: If this project is not provided, the condition of the two buildings will effectively preclude their use by the Military Academy. It will result in increased costs to operate and maintain these facilities in their current configuration. Failure to relocate the automatic data processing center will require additional academic space to be constructed in the central post area (to compensate for the loss of equivalent space programmed at New South Post). Failure to convert and construct an attached vault to Building 2107 for Library archives will preclude most economic use of that space and the relocation of archives materials from the main library. The resulting shortfall of active academic library space will continue. Insufficient academic space directly reduces the viability of the academic curriculum at the Military Academy and risks non-accreditation of the current academic program.
ADDITIONAL: The authorization to proceed with acquisition and development of academic space at the Military Academy through the mechanism of relocating existing non-academic activities to structures at New South Post reduced future construction requirements, including a new academic building ($20 million FY 88), a new museum ($15.8 million in FY 86), a new visitor information center ($6.0 million in FY 87), and a proposed new Stony Lonesome entrance ($.3 million in FY 85). Economic Analysis indicates the cost effectiveness of this project. An Economic Analysis has been prepared comparing this project with the alternatives of new construction and relocation of facility. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

1.COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

United States Military Academy, New York

4.PROJECT TITLE Academic Facility Modernization	5.PROJECT NUMBER 219

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data:

(1) Status:

(a)	Date Design Started	SEP 85
(b)	Percent Complete As Of January 1986	50
(c)	Percent Complete As Of October 1986	100
(d)	Date Design Complete	OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

		($000)
(a)	Production of Plans and Specifications	860
(b)	All Other Design Costs	139
(c)	Total Cost	999
(d)	Contract	860
(e)	In-house	139

(4) Construction Start .... JAN 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION United States Military Academy, New York	4.PROJECT TITLE Academic Facility Modernization Phase II

5.PROGRAM ELEMENT 85896A	6.CATEGORY CODE 171	7.PROJECT NUMBER 237	8.PROJECT COST ($000) Auth 13,000 Approp 13,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				11,287
Bldg 149 (BOQ Conversion)	SF	52,500	67.50	(3,544)
Thayer Hall N Aud Conv & Modn	SF	53,460	97.00	(5,186)
Thayer Hall S Modernization	SF	40,900	60.92	(2,492)
Communications	LS	-	-	(65)
Supporting Facilities				0
Subtotal				11,287
Contingency (10.00%)				1,129
Total Contract Cost				12,416
Supervision, Inspection & Overhead (5.50%)				683
Total Request				13,099
Total Request (Rounded)				13,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Upgrade and modernize portions of Thayer Hall and Building 149. Work in Thayer Hall North and South will include interior demolition, new construction and adjustments to the mechanical systems to accommodate new academic spaces. Alterations to Building 149 will include interior partition demolition with new interior finishes and systems to accommodate academic office and teaching space. The balance of work will include an upgrade of utilities, fire protection and safety features. Insulation will be upgraded in spaces where heating and cooling is provided. Air conditioning: 335 Tons.

11. REQUIREMENT: 873,216 SF ADEQUATE: 556,300 SF SUBSTANDARD: 186,500 SF

PROJECT: Convert and modernize an academic and a mixed-use building to provide essential teaching facilities.

REQUIREMENT: This project is one of four phases in the Academic Modernization and Expansion Program at USMA. It is required to provide offices, small lecture rooms, classrooms, behavioral science laboratories, and electrical engineering laboratories in Thayer Hall. In Building 149, offices and limited teaching facilities for the Departments of English and Social Science are required.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION United States Military Academy, New York		
4.PROJECT TITLE Academic Facility Modernization Phase II		5.PROJECT NUMBER 237

11. REQUIREMENT: (Continued)

CURRENT SITUATION: The Military Academy has established a majors program at West Point. This program is to meet the Army's need for competitive officer recruiting and graduates with a solid technical base. The academic departments are restricted by the lack of sufficient library, laboratory, classroom, and cadet-faculty interaction space to accommodate the current curriculum. Students now select 1 of 16 majors from 26 fields of study. The curriculum has a requirement for approximately 115,000 square feet of additional academic space, most of which will be facilitated through relocations of non-academic functions to converted facilities at New South Post (formerly Ladycliff College). This project is the fourth of a series of projects beginning with the acquisition of Ladycliff College, and conversion and modernization, Phase 1A.

IMPACT IF NOT PROVIDED: If this project is not provided, the original requirement for additional academic space construction in the central post area will be resurrected. Failure to renovate Thayer Hall and Building 149 will prevent the elimination of antiquated, crowded academic facilities situation that was the purpose for buying and modernizing the facilities of Ladycliff College. Insufficient academic space directly reduces the viability of the academic curriculum at the Military Academy, and risks loss of accreditation of the current academic program.

ADDITIONAL: An Economic Analysis comparing this project with the alternatives of new construction indicates the cost effectiveness of this project. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 1019
(b) All Other Design Costs 150
(c) Total Cost 1,169
(d) Contract 1019
(e) In-house 150

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION United States Military Academy, New York		
4.PROJECT TITLE Academic Facility Modernization Phase II		5.PROJECT NUMBER 237

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
WESTCOM

INSTALLATION PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Western Command					
Hawaii Various, HI					379
11	Operations Support Facility		12,000	12,000	381
	SUBTOTAL FOR Hawaii Various	$	12,000	12,000	
Schofield Barracks, HI					383
	Schofield Barracks				
148	Flight Simulator Building		2,900	2,900	385
	SUBTOTAL FOR Schofield Barracks	$	2,900	2,900	
	*TOTAL US Army Western Command	$	14,900	14,900	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Hawaii Various Hawaii	4. COMMAND US ARMY WESTERN COMMAND	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	12,519
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	24,519

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
141	11	OPNS SPT FACILITY	12,000	06/85	09/86
		SUBTOTAL PROJECTS OVER $1M	12,000		
		TOTAL	12,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
880	LIFE/SAFETY/FIRE UPGRADE	4,519
811	POWER UPGRADE	8,000
	SUBTOTAL PROJECTS OVER $1M	12,519
	TOTAL	12,519

B. PLANNED NEXT THREE PROGRAM YEARS: NONE

10. MISSION OR MAJOR FUNCTIONS:

The principal mission is support of US Army Western Command (WESTCOM) and its units in Hawaii.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Hawaii Various, Hawaii	4.PROJECT TITLE Operations Support Facility

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 141	7.PROJECT NUMBER 11	8.PROJECT COST ($000) Auth 12,000 Approp 12,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,654
Operations Support Facility	SF	51,000	137.16	(6,995)
Temporary Office Building	SF	27,000	24.40	(659)
Supporting Facilities				3,196
Electric Service	LS	-	-	(638)
Water, Sewer & Gas	LS	-	-	(76)
Paving, Walks, Curbs & Gutters	LS	-	-	(204)
Storm Drainage	LS	-	-	(32)
Site Improvement	LS	-	-	(821)
Communication	LS	-	-	(1,327)
Utilities for Temp Facility	LS	-	-	(98)
Subtotal				10,850
Contingency (5.00%)				543
Total Contract Cost				11,393
Supervision, Inspection & Overhead (5.50%)				627
Total Request				12,020
Total Request (Rounded)				12,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a Sensitive Compartmented Information Facility (SCIF) to include communications, classified storage, conference, training, audio visual center, reception areas, access control areas, command control, offices, latrines, mechanical/electrical rooms. Work includes utilities, storm drainage, site improvements, paving, communications, fire protection sprinkler system and auxiliary power connection to generator plant in Building No. 9, Tempest shielding and grounding, office automation local area network, and a temporary interim facility with electrical utilities to support the move of SCIF into the new facility. Air conditioning: 200 tons.

11. REQUIREMENT: 51,000 SF ADEQUATE: 37,000 SF SUBSTANDARD: None

PROJECT: Construct a secured operations support facility.

REQUIREMENT: This project is required to accommodate the projected increase in equipment, mission and direct support personnel expected at USA Field Station Kunia during the 1987-90 time frame. The existing underground facility will not accommodate these additional personnel or equipment increases without relocating mission support functions into a new facility.

CURRENT SITUATION: Building Nos.9 and 19 at Kunia are currently being used for this purpose. The existing SCIF is already occupied by mission, electronics/computers, maintenance, communications and administrative support

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Hawaii Various, Hawaii		
4. PROJECT TITLE Operations Support Facility		5. PROJECT NUMBER 11

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
personnel spaces. There is no room available to expand Buildings 9 or 19 to accommodate the increase in manpower and equipment required of the field station's expanding mission.

IMPACT IF NOT PROVIDED: If this project is not provided, the lack of a secured operations support facility will severely impede INSCOM in accomplishing its assigned intelligence mission and have an adverse impact upon WESTCOM'S support to Field Station Kunia.

12. SUPPLEMENTAL DATA:
- A. Estimated Design Data:
  - (1) Status:
    - (a) Date Design Started .... JUL 85
    - (b) Percent Complete As Of January 1986 40
    - (c) Percent Complete As Of October 1986 100
    - (d) Date Design Complete .... JUN 86
  - (2) Basis:
    - (a) Standard or Definitive Design Yes ____ No X
    - (b) Where Design Was Most Recently Used N/A
  - (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    - (a) Production of Plans and Specifications 160
    - (b) All Other Design Costs 50
    - (c) Total Cost 210
    - (d) Contract 120
    - (e) In-house 90
  - (4) Construction Start .... JAN 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii	4. COMMAND US ARMY WESTERN COMMAND	5. AREA CONSTRUCTION COST INDEX 1.27

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	1186	11555	1305	0	0	0	0	0	0	14,046
B. END FY 91	1323	12161	947	0	0	0	0	0	116	14,547

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	14,089 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	29,499
F. PLANNED IN NEXT THREE YEARS	87,050
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	119,449

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	148	FLIGHT SIMUL UH60 WHEELER	2,900	09/85	09/86
		SUBTOTAL PROJECTS OVER $1M	2,900		
		TOTAL	2,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
740	CHILD CARE W/REL ED FAC	4,400
432	COLD/DRY STGE WHSE	7,914
179	MOUT RANGE	3,850
179	MULTIPURPOSE RANGE	10,783
	SUBTOTAL PROJECTS OVER $1M	26,947
179	SAW RANGE	818
179	SNIPER TR RANGE	744
171	INDR FIRING RANGE PIF	990
	SUBTOTAL PROJECTS $1M & LESS	2,552
	TOTAL	29,499

10. MISSION OR MAJOR FUNCTIONS:

Schofield Barracks houses peacetime garrison troops and their supporting organizations. It is the headquarters for the 25th Infantry Division It houses parts of the U.S. Army Support Command Hawaii (USASCH), U.S. Army Information Systems Command and the 45th Support Group.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Schofield Barracks Hawaii

II. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 86

3. INSTALLATION AND LOCATION Wheeler Army Air Field Schofield Barracks, Hawaii	4. PROJECT TITLE Flight Simulator Building

5. PROGRAM ELEMENT 22496A	6. CATEGORY CODE 171	7. PROJECT NUMBER 148	8. PROJECT COST ($000) Auth 2,900 Approp 2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,989
Flight Simulator Building	SF	17,773	111.91	(1,989)
Supporting Facilities				651
Electric Service	LS	-	-	(97)
Water, Sewer & Gas	LS	-	-	(136)
Paving, Walks, Curbs & Gutters	LS	-	-	(104)
Storm Drainage	LS	-	-	(98)
Site Improvement	LS	-	-	(111)
Communication	LS	-	-	(105)
Subtotal				2,640
Contingency (5.00%)				132
Total Contract Cost				2,772
Supervision, Inspection & Overhead (5.50%)				152
Total Request				2,924
Total Request (Rounded)				2,900
Installed Equipment - Other Appropriations				(7,500)

10. Description of Proposed Construction Construct a building to house a Synthetic Flight Training System (SFTS) with required utilities, communications, fire protection and alarm system, roads, parking, storm drainage, and site improvements. Project also includes administrative spaces, classrooms, and a conference room for flight briefings and meetings. Raised flooring and air conditioning for facility climate control including computer room will be provided. Heating and air conditioning with self-contained system. Air Conditioning: 120 tons. Mechanical ventilation: 36,000 CFM.

11. REQUIREMENT: 17,773 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a UH-60 Flight Simulator Building.

REQUIREMENT: This project is required to meet delivery date of the UH-60 Flight Simulator which is scheduled for delivery to Wheeler AFB in October 1988. The SFTS will enable aviators in Hawaii and the Pacific area to obtain and maintain instrument flight proficiency while reducing actual flying time. This training will result in substantial savings in aircraft operating costs and fuel consumption.

CURRENT SITUATION: No UH-60 flight simulator is currently available in Hawaii.

IMPACT IF NOT PROVIDED: If this project is not provided, facilities will

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Wheeler Army Air Field, Schofield Barracks, Hawaii		
4. PROJECT TITLE Flight Simulator Building		5. PROJECT NUMBER 148

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

not be available at Wheeler AFB in which to install the UH-60 simulator, with the resulting adverse impact on pilot training and proficiency.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... SEP 85
- (b) Percent Complete As Of January 1986 35
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... AUG 86

(2) Basis:
- (a) Standard or Definitive Design Yes X No ___
- (b) Where Design Was Most Recently Used Fort Bragg

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 140
- (b) All Other Design Costs 95
- (c) Total Cost 235
- (d) Contract 180
- (e) In-house 55

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
FLGHT SIM EQUIP	OPA	86	7500
		TOTAL	7,500

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
EUSA

INSTALLATION PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Eighth United States Army					
Korea Various					389
		Camp Carroll			
1045	Medical Supply Warehouse		0	4,350	408
1094	Tactical Equipment Shop	(SEE #1.0 M)	820	820	732
1180	Storage Warehouse	(SEE #1.0 M)	920	920	734
		Camp Casey			
933	Automated Field Fire Range		3,600	3,600	401
1118	Communication/Electronics Maintenance Facs	(SEE #1.0 M)	490	490	733
1120	Barracks		15,500	15,500	458
1121	Tactical Equipment Shop Mod/Addn		3,400	3,400	461
1178	Tank Range		1,950	1,950	478
		Camp Castle			
1080	Flammable Material Storage		2,850	2,850	418
1100	Barracks		1,950	1,950	438
		Camp Essayons			
836	Physical Fitness Training Center		1,150	1,150	399
1102	Barracks		1,850	1,850	442
		Camp Greaves			
1062	Tactical Equipment Shop	(SEE #1.0 M)	340	340	729
1099	Barracks		2,350	2,350	436
1114	Physical Fitness Training Center		1,300	1,300	450
		Camp Hovey			
1036	Barracks		4,650	4,650	406
1061	Dining Facility		4,350	4,350	410
		Camp Howze			
1066	Tactical Equipment Shop		1,800	1,800	412
1103	Barracks		4,050	4,050	444
		Camp Humphreys			
1085	Tactical Equipment Shop		5,900	5,900	425
1087	Aircraft Maintenance Hangar Addition		1,500	1,500	430
1096	Unit Maintenance Hangar		3,700	3,700	432
1112	Barracks		5,700	5,700	446
		Camp Jackson			
1176	Barracks		1,800	1,800	474
		Camp Laguardia			
1117	Barracks		2,650	2,650	454
1166	Airfield Fire Station	(SEE #1.0 M)	320	320	733

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
EUSA

INSTALLATION

PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Eighth United States Army (Cont.)					
Korea Various (Cont.)					389
		Camp Libby			
1084	Tactical Equipment Shop		1,100	1,100	423
		Camp Liberty Bell			
1038	Barracks	(SEE $1.0 M)	780	780	729
		Camp Long			
1074	Unaccompanied Personnel Housing		5,600	5,600	414
		Camp Market			
1023	Unaccompanied Officers Housing	(SEE $1.0 M)	540	540	729
		Camp Nimble			
1113	Barracks		1,950	1,950	448
		Camp Page			
1086	Unaccompanied Officers Housing		1,400	1,400	428
		Camp Pelham			
1115	Barracks	(SEE $1.0 M)	980	980	732
1154	Tactical Equipment Shop		1,300	1,300	470
		Camp Red Cloud			
1123	Tactical Equipment Shop		2,300	2,300	464
1177	Dining Facility		2,250	2,250	476
		Camp Stanley			
1101	Barracks		2,450	2,450	440
1116	Dining Facility		2,250	2,250	452
		H220			
1119	Barracks		2,750	2,750	456
		K 16 Army Airfield			
981	Flight Simulator Building		1,600	1,600	404
1089	Tactical Equipment Shop	(SEE $1.0 M)	920	920	731
		Pusan			
662	General Purpose Warehouse		3,800	3,800	393
834	Physical Fitness Training Center		1,400	1,400	397
1081	Fire Station	(SEE $1.0 M)	340	340	730
1125	Barracks		1,500	1,500	466
1126	Barracks		5,900	5,900	468
		Second Infantry			
1098	Barracks		2,800	2,800	434
1169	Organizational Maintenance Shop		2,350	2,350	472
		Taegu			
829	Underground Command and Control Facility		4,900	4,900	395

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
EUSA

INSTALLATION				AUTHORIZATION	APPROPRIATION	
PN	PROJECT TITLE			REQUEST	REQUEST	PAGE
Eighth United States Army (Cont.)						
Korea Various (Cont.)						389
		Yongson				
1075	Unaccompanied Personnel Housing			2,500	2,500	416
1082	Tactical Equipment Shop			2,500	2,500	420
1083	Tactical Equipment Shop	(SEE $1.0 M)		1,000	1,000	730
1088	Upgrade Tactical Equipment Shop	(SEE $1.0 M)		1,000	1,000	731
1174	Battalion Headquarters	(SEE $1.0 M)		760	760	734
1226	Widen Road	(SEE $1.0 M)		1,000	1,000	734
	SUBTOTAL FOR Korea Various		$	134,810	139,160	
	*TOTAL Eighth United States Army		$	134,810	139,160	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Korea Various Korea	4. COMMAND EIGHTH UNITED STATES ARMY	5. AREA CONSTRUCTION COST INDEX .91

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	139,160
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	307,039
F. PLANNED IN NEXT THREE YEARS	675,491
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	1,121,690

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
441	662	GEN PURP WHSE PUSAN	3,800	12/83	03/85
131	829	UC CMD & CONTROL TAEGU	4,900	04/85	04/86
740	834	PHYS FIT CTR PUS/HIALEAH	1,400	04/85	08/86
740	836	PHYS FITNESS CTR ESSAYONS	1,150	06/85	07/86
179	933	AUTOMATED RIFLE RNGE CASEY	3,600	05/85	04/86
171	981	FLIGHT SIMULATOR BLDG ADDN	1,600	04/84	10/85
721	1036	BARRACKS HOVEY	4,650	05/85	05/86
442	1045	MED SUPPLY WHSE CARROLL	4,350	06/84	07/85
722	1061	DINING FACILITY HOVEY	4,350	05/85	06/86
214	1066	TACT EQUIP SHOP HOWZE	1,800	12/84	06/86
721	1075	BARRACKS MERCER	2,500	05/85	09/86
721	1074	BARRACKS LONG 2ID	5,600	06/85	08/86
442	1080	FLAMMABLE MAT STH CP CASTL	2,850	03/85	06/86
218	1085	FIELD MAINT SHOP HUMPHREYS	5,900	08/85	05/86
214	1084	TACT EQUIP SHOP LIBBY	1,100	04/85	08/86
214	1082	TACT EQUIP SHOP MERCER	2,500	08/85	08/86
211	1087	MAINT HNGR ADD HUMPHREYS	1,500	08/85	08/86
724	1086	BARRACKS PAGE	1,400	05/85	04/86
211	1096	UNIT MAINT HGR HUMPHREYS	3,700	07/85	06/86
721	1101	BARRACKS CP STANLEY	2,450	07/85	05/86
721	1100	BARRACKS CASTLE	1,950	03/85	06/86
721	1099	BARRACKS GREAVES	2,350	06/85	08/86
721	1098	BARRACKS STANTON	2,800	06/85	06/86
721	1103	BARRACKS CP HOWZE	4,050	04/85	04/86
721	1102	BARRACKS ESSAYONS	1,850	06/85	07/86
721	1113	BARRACKS CP NIMBLE	1,950	05/85	04/86
721	1112	BARRACKS HUMPHREYS	5,700	05/85	04/86
724	1117	BARRACKS CP LAGUARDIA	2,650	06/85	08/86
722	1116	DINING FACILITY STANLEY	2,250	05/85	05/86
740	1114	PHYS FIT CTR GREAVES	1,300	05/85	10/86
214	1121	TACT EQUIP MOD ADDN CASEY	3,400	07/85	06/86

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Korea Various Korea

8. PROJECTS REQUESTED IN THIS PROGRAM: (CONTINUE)

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	1120	BARRACKS CP CASEY	15,500	04/85	08/86
721	1119	BARRACKS H220	2,750	05/85	03/86
721	1125	BARRACKS PUSAN STGE	1,500	06/85	05/86
214	1123	TACT EQUIP SHOP RED CLOUD	2,300	07/85	05/86
721	1126	BARRACKS HIALEAH	5,900	05/85	08/86
214	1154	TACT EQUIP SHOP PELHAM	1,300	07/85	08/86
214	1169	TACT EQUIP SHP STANTON	2,350	08/85	06/86
179	1178	TANK/SUB CALIBAR RNG CASEY	1,950	05/85	04/86
722	1177	DINING FACILITY RED CLOUD	2,250	05/85	05/86
721	1176	BARRACKS JACKSON	1,800	06/85	08/86
		SUBTOTAL PROJECTS OVER $1M	128,950		
724	1023	BOQ MARKET	540	04/85	04/86
721	1038	BARRACKS L BELL	780	09/85	08/86
214	1062	TACT EQUIP SHOP GREAVES	340	05/85	09/86
730	1081	FIRE STATION PUSSTFAC	340	06/85	05/86
214	1083	TACT EQUIP SHOP YONGSAN	1,000	06/85	07/86
214	1089	TACT EQUIP SHOP K16	920	07/85	08/86
214	1088	UPGRD TACT SHOP YONGSAN	1,000	06/85	07/86
214	1094	TACT EQUIP SHOP	820	04/85	06/86
721	1115	BARRACKS PELHAM	980	06/85	08/86
217	1118	C & E MAINT FACS CP CASEY	490	03/85	06/86
141	1166	ARFLD FIRE STA LAGUARDIA	320	05/85	09/86
141	1174	BN HQS YONGSAN	760	07/85	06/86
442	1180	CNTRL HUMID WHSE CARROLL	920	04/85	08/86
851	1226	WIDEN X CORPS BLVD YONGSAN	1,000	07/85	06/86
		SUBTOTAL PROJECTS $1M & LESS	10,210		
		TOTAL	139,160		

9. FUTURE PROJECTS

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
721	BARRACKS	2,850
219	AFE FACILITIES WALKER	3,320
441	DEPOT WHSE PUSAN	4,300
442	CNTRLD HUM WHSE CP CARROLL	19,500
510	HOSPITAL UPGRADE SEOUL	53,422
149	COMMO REVETMENTS BEASON	1,100
179	MOUT FACILITY CASEY	2,853
740	PHYS FITNESS CTR KYLE	1,850
800	ELEC/WTR/SWGE CP MARKET	1,400
610	COMMAND & CNTRL PMO S YON	1,300
610	ADP FACILITY YONGSAN	4,000

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Korea Various   Korea

9. FUTURE PROJECTS: (.. CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
610	WSD-E COMPLEX CP PAGE	1,450
724	BARRACKS CP SWISS/SWEDE	1,450
141	SCIF MOD YONGSAN	3,400
721	BARRACKS HENRY	6,959
149	COMMO SITE REVET YONGSAN	1,300
821	CENTRAL STEAM PLANT K16	2,050
422	AMMO BUNKER CP CASEY	1,500
721	BARRACKS MARKET	1,509
214	DS MAINT SHOP DIO CARROL	4,650
610	COMMAND/CNTRL BLDG YONGSAN	3,400
721	BARRACKS JACKSON	4,117
721	NCO/BOQ PELHAM	2,950
721	BARRACKS HUMPHREYS	2,860
721	BARRACKS INDIAN	2,573
721	BARRACKS HUMPHREYS	7,640
721	BARRACKS RED CLOUD	4,238
214	TACT MAINT FACILITY WALKER	3,025
721	SEBQ MERCER	1,577
214	IMP VEHICLE MAINT PAGE	1,299
214	TACT MAINT FAC MERCER	3,800
610	ADMIN FACILITY YONGSAN	1,766
610	HQ ADMIN FAC YONGSAN	1,960
851	VEHICLE OVER PASS - YONGSA	1,140
831	WATER/SEWER HUMPHREYS	1,091
721	BARRACKS PAGE	7,642
730	POST CHAPEL CARROLL	1,650
179	SNIPER/RD RANGE WATKINS	1,546
740	CHILD CARE CENTER TAEGU	2,146
721	NCO/BOQ SEARS	1,788
721	NCO/POQ GREAVES	2,500
721	NCO/POQ EDWARDS	3,400
721	BARRACKS HOVEY	14,074
721	BARRACKS HOWZE	6,450
721	BARRACKS H220	3,989
431	CLD STG PLT EXT PSN ST FAC	2,418
721	BARRACKS HIALEAH	10,695
721	BARRACKS CASTLE	3,299
721	BARRACKS CASEY	29,782
724	BARRACKS STANTON	1,001
722	DINING FACILITY CASEY	2,680
721	BARRACKS NIMBLE	2,053
721	BARRACKS GARY OWEN	1,100
141	HELIPORT FAC YONGSAN	1,715
740	COMMUNITY FAC CP LONG	5,554

1 COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2 DATE 14 FEB 86

INSTALLATION AND LOCATION: Korea Various Korea

9 FUTURE PROJECTS (CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
721	BARRACKS CP STANLEY	9,911
740	COMMUNITY FAC CP R 222	3,950
620	CMD POST UPGRADE TANGO	2,981
740	CONCESS/CLUB FAC CP R 222	2,423
740	CONCESS/CLUB FAC CP LONG	3,086
141	UNDERGRND DTOC/SCIF CASEY	3,408
	SUBTOTAL PROJECTS OVER $1M	294,940
219	FAC ENGR FAC K16	660
171	INSRUCT/THEATER BLDG K16	623
214	TACT EQUIP SHOP K16	840
149	COMM SITE REV YONGSAN	420
610	SAACT THREE FAC CP PAGE	960
422	AMMO BUNKER CP HOWZE	500
422	AMMO BUNKER CP GIANT	370
422	AMMO BUNKER CP HOVEY	406
422	AMMO BUNKER CP HOVEY	740
723	CO ADMIN FAC KITTY HAWK	1,000
141	BATTALION HQTS BLDG PAGE	602
441	CL I WAREHOUSE YONGSAN	800
171	NBC TRAINING FAC YONGSAN	630
179	HG/CLAYMORE TNG CTR GREA	610
179	RANGE COMPLEX GREAVES	770
442	WAREHOUSE KITTY HAWK	234
179	GR LAUNCHER RG GREAVES	406
179	MK19 RANGE	629
214	TACT MAINT FAC LONG	899
	SUBTOTAL PROJECTS $1M & LESS	12,099
	TOTAL	307,039

10 MISSION OR MAJOR FUNCTIONS:

To carry out the responsibility of the United Nations Command: US Forces, Korea and Eighth US Army

11 OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A AIR POLLUTION	0
B WATER POLLUTION	0
C OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Pusan, Korea	4.PROJECT TITLE General Purpose Warehouse

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 441	7.PROJECT NUMBER 662	8.PROJECT COST ($000) Auth 3,800 Approp 3,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,493
General Purpose Warehouse	SF	64,459	29.53	(1,904)
Concrete Pile Foundation	LF	38,052	15.49	(589)
Supporting Facilities				939
Electric Service	LS	-	-	(61)
Water, Sewer & Gas	LS	-	-	(44)
Paving, Walks, Curbs & Gutters	LS	-	-	(438)
Storm Drainage	LS	-	-	(158)
Site Improvement (128) Demolition (95)	LS	-	-	(223)
Communication	LS	-	-	(6)
Fuel Oil Storage Tank	LS	-	-	(9)
Subtotal				3,432
Contingency (5.00%)				172
Total Contract Cost				3,604
Supervision, Inspection & Overhead (5.50%)				198
Total Request				3,802
Total Request (Rounded)				3,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a general purpose warehouse at Pusan Storage Facility. Work to include required utility services, loading docks with canopy, foundation piling, fire protection and alarm system, paving (sidewalks, curbs, gutters, and 20,000 SY parking), storm drainage, site improvements, and communications. Heating will be provided by self-contained system. Accessibility for the handicapped will be provided. Demolish three (3) buildings (45,792 SF).

11. REQUIREMENT: 64,496 SF ADEQUATE: None SUBSTANDARD: 45,792 SF

PROJECT: Construct a general purpose warehouse.

REQUIREMENT: This project is required to provide a warehousing facility for receipt, storage, and issuing of Class I, II, III, and VI supplies.

CURRENT SITUATION: Warehousing activities covered by this project are now carried out in three (3) woodframe buildings and some materials are stored in the open. The warehouses were constructed in 1953 without termite control and on spread foundations over 70 feet of highly plastic, marine clay, a completely inadequate foundation. The soil has continuously consolidated, and this can be expected to continue. This consolidation is severe and as a consequence, the integrity of the roofing is destroyed by the resulting earth shifts and building settlement. Posts supporting the roof trusses

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Pusan, Korea		
4. PROJECT TITLE General Purpose Warehouse		5. PROJECT NUMBER 662

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
periodically punch through the floor, breaking the trusses and the wood frames of the buildings (which are significantly weakened by termites). The type of construction and the extent of deterioration makes these facilities highly susceptible to fire. Without extensive and continuous repairs, these buildings will collapse.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing inadequate, costly to maintain, and hazardous structures must continue in use.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....DEC 83
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAR 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 83
(b) All Other Design Costs 106
(c) Total Cost 189
(d) Contract 97
(e) In-house 92

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Taegu, Korea	4. PROJECT TITLE Underground Command and Control Facility

5. PROGRAM ELEMENT 22411A	6. CATEGORY CODE 131	7. PROJECT NUMBER 829	8. PROJECT COST ($000) Auth 4,900 Approp 4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,801
Underground Operations Bunker	SF	13,505	147.50	(1,992)
Emergency Generator	EA	1	370,684	(371)
Pile Foundations	LS	-	-	(64)
CBR Protection	LS	-	-	(374)
Supporting Facilities				1,639
Electric Service	LS	-	-	(95)
Water, Sewer & Gas	LS	-	-	(28)
Paving, Walks, Curbs & Gutters	LS	-	-	(169)
Storm Drainage	LS	-	-	(102)
Site Improvement (844) Demolition (4)	LS	-	-	(848)
Communication	LS	-	-	(381)
Fuel Oil System	LS	-	-	(16)
Subtotal				4,440
Contingency (5.00%)				222
Total Contract Cost				4,662
Supervision, Inspection & Overhead (5.50%)				256
Total Request				4,918
Total Request (Rounded)				4,900
Installed Equipment - Other Appropriations				(35,000)

10. Description of Proposed Construction Construction of an underground command, control, and communication facility designed to withstand indirect fire. Provide communications, heating, ventilation, and air conditioning, and emergency power. Special provisions for Uninterrupted Power Service and Chemical/Biological/Radiological (CBR) protection. Demolish two (2) buildings (2,340SF). Air conditioning: 400 tons.

11. REQUIREMENT: 13,636 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct an underground Command and Control Facility.

REQUIREMENT: This project is required to provide a hardened command, control and communications bunker.

CURRENT SITUATION: The integrated wartime headquarters is currently located at Camp Walker in a former school house built in 1921. The opposing force currently has a Special Purpose Force (SPF) of approximatley 80,000 whose mission is to infiltrate, disrupt, and destroy critical command, control, communications, and logistical facilities. Camp Walker houses a significant portion of these facilities including the AUTODIN switching center and a classified computer mainframe. The current facility is above ground and extremely vulnerable to attack.

IMPACT IF NOT PROVIDED: If this project is not provided, the current

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Taegu, Korea		
4. PROJECT TITLE Underground Command and Control Facility		5. PROJECT NUMBER 829

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
headquarters will remain vulnerable to attack. Should the headquarters be destroyed, support to the Combined Forces Command will be gravely jeopardized.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 87

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 105
(b) All Other Design Costs 119
(c) Total Cost 224
(d) Contract 119
(e) In-house 105

(4) Construction Start .... FEB 88
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Comm Equipment	OPA	87	35000
		TOTAL	35,000

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Pusan, Korea	4.PROJECT TITLE Physical Fitness Training Center

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 740	7.PROJECT NUMBER 834	8.PROJECT COST ($000) Auth 1,400 Approp 1,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,141
Physical Fitness Trng Ctr	SF	17,793	64.13	(1,141)
Supporting Facilities				144
Electric Service	LS	-	-	(19)
Water, Sewer & Gas	LS	-	-	(13)
Paving, Walks, Curbs & Gutters	LS	-	-	(19)
Storm Drainage	LS	-	-	(19)
Site Improvement	LS	-	-	(40)
Communication	LS	-	-	(3)
Fuel Oil Storage	LS	-	-	(31)
Subtotal				1,285
Contingency (5.00%)				64
Total Contract Cost				1,349
Supervision, Inspection & Overhead (5.50%)				74
Total Request				1,423
Total Request (Rounded)				1,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a gymnasium with indoor handball/racquet courts. Provide required utility services, fire protection and alarm system, paving, storm drainage, site preparation, and communications. Ten (10) buildings (18,134 SF) will be demolished. Accessibility for the handicapped will be provided. Heating from a self-contained unit. Mechanical ventilation: 89,000 CFM.

11. REQUIREMENT: 17,793 SF ADEQUATE: None SUBSTANDARD: 10,740 SF

PROJECT: ` Construct a physical fitness center.

REQUIREMENT: This project is required to provide adequate indoor athletic training and recreational facilities for U.S. military personnel.

CURRENT SITUATION: Indoor fitness activities are now carried out in a jumbo quonset hut with additions and three standard quonset huts used as annexes for exercise activity rooms. These structures were erected in 1953. Serious deficiencies in the electric wiring and plumbing systems are evident and present a significant health and safety hazard. The existing facilities are too small for a regulation sized basketball court, and the sloping walls and low ceiling present significant interference during basketball and volleyball games. There are also no provisions for women soldiers. The facilities are not insulated and are heated by a combination of inefficient, expediently

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Pusan, Korea		
4. PROJECT TITLE Physical Fitness Training Center		5. PROJECT NUMBER 834

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
installed oil-fired space heaters. These deficiencies are a significant impediment to developing an effective program to support the military community.

IMPACT IF NOT PROVIDED: If this project is not provided, the command will be forced to condemn the buildings and discontinue the indoor fitness program in the Pusan area, adversely affecting troop morale and combat readiness.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 89
(b) All Other Design Costs 56
(c) Total Cost 145
(d) Contract 110
(e) In-house 35

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Essayons, Korea	4. PROJECT TITLE Physical Fitness Training Center

5. PROGRAM ELEMENT 22496A	6. CATEGORY CODE 740	7. PROJECT NUMBER 836	8. PROJECT COST ($000) Auth 1,150 Approp 1,150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				959
Physical Fitness Center	SF	14,500	66.16	(959)
Supporting Facilities				76
Electric Service	LS	-	-	(7)
Water, Sewer & Gas	LS	-	-	(14)
Paving, Walks, Curbs & Gutters	LS	-	-	(4)
Storm Drainage	LS	-	-	(6)
Site Improvement (11) Demolition (23)	LS	-	-	(34)
Communication	LS	-	-	(6)
U.G. Fuel Oil Storage	LS	-	-	(5)
Subtotal				1,035
Contingency (5.00%)				52
Total Contract Cost				1,087
Supervision, Inspection & Overhead (5.50%)				60
Total Request				1,147
Total Request (Rounded)				1,150
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a physical fitness center to include all utilities, storm drainage, site work, walks, parking, fire protection system and communications. Heating system will be by a self-contained unit. Demolish 2 buildings (7,571 SF). Mechanical ventilation: 70,000 CFM.

11. REQUIREMENT: 14,500 SF ADEQUATE: None SUBSTANDARD: 5,063 SF
PROJECT: Construct a Physical Fitness Center.
REQUIREMENT: This project is required to provide adequate physical fitness facilities for U.S. military personnel.
CURRENT SITUATION: A jumbo quonset hut built in 1953 serves as the gymnasium for Camp Essayons. The building only provides an undersized basketball court and an undersized weight training room. The facility requires extensive maintenance and repair and consumes excessive fuel during the winter months due to energy inefficient construction. The present building does not provide a facility conducive to athletic events.
IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will continue to have to utilize cramped and grossly inadequate indoor athletic facilities. High maintenance and repair costs and excessive fuel consumption

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 86

3. INSTALLATION AND LOCATION
Camp Essayons, Korea

4. PROJECT TITLE
Physical Fitness Training Center

5. PROJECT NUMBER
836

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
will continue to be incurred. The lack of adequate indoor athletic facilities will affect troop morale and impair combat readiness.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... JUN 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 59
(b) All Other Design Costs 32
(c) Total Cost 91
(d) Contract 61
(e) In-house 30

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Casey, Korea	4.PROJECT TITLE Automated Field Fire Range

5.PROGRAM ELEMENT 22411A	6.CATEGORY CODE 179	7.PROJECT NUMBER 933	8.PROJECT COST ($000) Auth 3,600 Approp 3,600

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,093
Range Control Tower	EA	2	63,500	(127)
Elec Power Data & Dist System	LS	-	-	(224)
Maint/Mess/Inst/Latrine Facility	SF	3,070	77.52	(238)
Security Personnel Bldg	SF	1,520	60.66	(92)
Vehicle Holding Area	SY	3,060	5.88	(18)
See Cost Estimates (Continued)				(394)
Supporting Facilities				2,178
Electric Service	LS	-	-	(207)
Water, Sewer & Gas	LS	-	-	(173)
Paving, Walks, Curbs & Gutters	LS	-	-	(186)
Storm Drainage	LS	-	-	(178)
Site Improvement	LS	-	-	(1,399)
Communication	LS	-	-	(30)
Fuel Oil Storage	LS	-	-	(5)
Subtotal				3,271
Contingency (5.00%)				164
Total Contract Cost				3,435
Supervision, Inspection & Overhead (5.50%)				189
Total Request				3,624
Total Request (Rounded)				3,600
Installed Equipment - Other Appropriations				(457)

10.Description of Proposed Construction Construction of an Automated Record Fire (ARF) Range and Automated Field Fire (AFF) Range with an administrative and support facility to meet local training and operational needs. This project includes firing lanes, range control tower, instructional building, latrines, range control/operation/personnel/maintenance building, ammunition breakdown buildings, security gate house, security personnel building, modified mess facility, earth berms, and helipad with lighting and targetry emplacements. Supporting facilities include utilities, fire protection, security, parking, walks, site work, fencing, and communications. Self-contained heating unit will be provided. Air conditioning (Control Tower) : 2 tons.

11. REQUIREMENT: 1 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct an Automated Rifle Range Complex.

REQUIREMENT: This project is required to provide Automated Rifle Ranges for standardized rifle marksmanship training.

CURRENT SITUATION: There are no existing or substandard ranges which could be upgraded to meet prescribed standardized rifle marksmanship training.

IMPACT IF NOT PROVIDED: If this project is not provided, this command will not have range facilities to conduct standardized rifle marksmanship training. Furthermore, this command will be unable to meet its established training

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Casey, Korea		
4.PROJECT TITLE Automated Field Fire Range		5.PROJECT NUMBER 933

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Ammo Breakdown Area	SF	240	83.33	20
Bleacher	EA	2	18,000	36
Earth Berms	LF	3,035	64.61	196
Helipad Pavement & Lighting	LS	-	-	84
Flag Poles	EA	2	5,400	11
Public Address System	LS	-	-	12
Silhouette Target Type E & F	EA	100	131.00	13
			Total	394

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

responsibilities.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $200,000 based on awarding a single construction contract for this project with project number 1178 at Camp Casey, Korea.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 90
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... FEB 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 112
(b) All Other Design Costs 23
(c) Total Cost 135
(d) Contract 134
(e) In-house 1

(4) Construction Start .... APR 87
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Camp Casey, Korea

4. PROJECT TITLE
Automated Field Fire Range

5. PROJECT NUMBER
933

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Range Equipment	OPA	87	457
		TOTAL	457

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION K-16 Army Airfield, Korea	4. PROJECT TITLE Flight Simulator Building

5. PROGRAM ELEMENT 22496A	6. CATEGORY CODE 171	7. PROJECT NUMBER 981	8. PROJECT COST ($000) Auth 1,600 Approp 1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,209
Flight Simulator Building	SF	12,594	92.72	(1,168)
Special Foundation	LS	-	-	(41)
Supporting Facilities				242
Electric Service	LS	-	-	(63)
Water, Sewer & Gas	LS	-	-	(69)
Paving, Walks, Curbs & Gutters	LS	-	-	(55)
Storm Drainage	LS	-	-	(8)
Site Improvement	LS	-	-	(25)
Communication	LS	-	-	(6)
Fuel Storage	LS	-	-	(16)
Subtotal				1,451
Contingency (5.00%)				73
Total Contract Cost				1,524
Supervision, Inspection & Overhead (5.50%)				84
Total Request				1,608
Total Request (Rounded)				1,600
Installed Equipment - Other Appropriations				(8,000)

10. Description of Proposed Construction Construct a flight simulator building to house two Blackhawk Synthetic Flight Training Systems with utilities services, communications, fire protection and site work. The building will have a controlled environment (constant temperature and humidity), heavy electrical service and separate tansformers. Self-contained heating (oil-fired) and air conditioning systems will be provided. Air conditioning: 25 Tons.

11. REQUIREMENT: 20,000 SF ADEQUATE: 7,406 SF SUBSTANDARD: None

PROJECT: Construct flight simulator building.

REQUIREMENT: This project is required to provide two flight simulators to enable Blackhawk pilots to maintain flying proficiency and to qualify new aviators on the Blackhawk helicopter.

CURRENT SITUATION: The existing flight simulator is a UH1 helicopter procedural and instrument trainer for UH1 pilots. The UH1 is being phased out of the active Army inventory and is being replaced by the Blackhawk. Nearly two-thirds of all the aircraft in Korea are now Blackhawks, and a compatible simulator is required to maintain pilot proficiency on that aircraft. Blackhawk pilots cannot use the UH1 simulator to train because of the technical differences between the two aircraft and skills learned in the UH1 simulator are not transferrable to the Blackhawk aircraft.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION K-16 Army Airfield, Korea		
4.PROJECT TITLE Flight Simulator Building		5.PROJECT NUMBER 981

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: If this project is not provided, the Blackhawk pilots will continue to be poorly trained and not combat ready.
ADDITIONAL: This total project will amortize in less than three years of operation. Without the Blackhawk simulators, additional costs of $3.45 million will be incurred each year for fuel, maintenance and training aircraft operations.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 85

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 75
(b) All Other Design Costs 75
(c) Total Cost 150
(d) Contract 101
(e) In-house 49

(4) Construction Start .... FEB 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Simulator System	OPA	86	8000
		TOTAL	8,000

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Hovey, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1036	8.PROJECT COST ($000) Auth 4,650 Approp 4,650

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,762
Barracks	SF	69,628	45.14	(3,143)
Bachelor Officer Quarters	SF	7,742	51.48	(399)
Company Administration & Supply	SF	4,764	46.26	(220)
Supporting Facilities				444
Electric Service	LS	-	-	(117)
Water, Sewer & Gas	LS	-	-	(66)
Paving, Walks, Curbs & Gutters	LS	-	-	(57)
Storm Drainage	LS	-	-	(20)
Site Improvement (104) Demolition (27)	LS	-	-	(131)
Communication	LS	-	-	(19)
Fuel Oil Supply System	LS	-	-	(34)
Subtotal				4,206
Contingency (5.00%)				210
Total Contract Cost				4,416
Supervision, Inspection & Overhead (5.50%)				243
Total Request				4,659
Total Request (Rounded)				4,650
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks and a bachelor officers quarters with company administration and supply facilities. Supporting facilities include all utilities, site work, paving, parking, walks, fire alarm/sprinkler systems, and communication provisions. Heating and air conditioning by self-contained units. Demolish eleven (11) temporary-type buildings (12,960 SF). Air conditioning: 144 tons.

11. REQUIREMENT: 2,619 PN ADEQUATE: 1,519 PN SUBSTANDARD: 1,190 PN

PROJECT: Construct a barracks and a bachelor officers quarters (BOQ) with company administration and supply facilities.

REQUIREMENT: This project is required to provide adequate housing for 432 E1-E4, (intended utilization,) with a maximum utilization of 432. Sixteen officers are also provided for with a maximum utilization of 16.

CURRENT SITUATION: Many soldiers work in and are housed in substandard, temporary facilities, which have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a livable condition. The lack of adequate insulation results in excessive fuel consumption. Latrine and shower facilities are located in detached buildings, often separated by several hundred feet from the living quarters. The company administration functions are conducted out of many small, dispersed facilities which reduces

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Hovey, Korea		
4. PROJECT TITLE Barracks	5. PROJECT NUMBER 1036	

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
operational efficiency. The substandard conditions currently have a negative impact on the health, morale, and mission readiness of the soldiers.
IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to continue to live and work in substandard facilities, and will continue to adversely affect troop morale and negatively impact upon combat readiness and mission accomplishment. High maintenance and repair costs and excessive energy consumption will persist.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 42
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used VARIOUS, KOREA

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 100
(b) All Other Design Costs 100
(c) Total Cost 200
(d) Contract 0
(e) In-house 200

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Carroll, Korea	4.PROJECT TITLE Medical Supply Warehouse

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 442	7.PROJECT NUMBER 1045	8.PROJECT COST ($000) Auth 0 Approp 4,350

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,879
Warehouse	SF	56,400	28.00	(1,579)
Covered Storage	SF	20,000	15.00	(300)
Supporting Facilities				2,069
Electric Service	LS	-	-	(97)
Water, Sewer & Gas	LS	-	-	(164)
Paving, Walks, Curbs & Gutters	LS	-	-	(171)
Storm Drainage	LS	-	-	(437)
Site Improvement	LS	-	-	(1,181)
Communication	LS	-	-	(7)
Fencing/Fuel Storage	LS	-	-	(12)
Subtotal				3,948
Contingency (5.00%)				197
Total Contract Cost				4,145
Supervision, Inspection & Overhead (5.50%)				228
Total Request				4,373
Total Request (Rounded)				4,350
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a controlled humidity warehouse, covered storage, tape storage facility and concrete hardstand. Work includes required utility services, fire protection and alarm system, paving, perimeter/security fencing, lighting, and site work. Self-contained, oil-fired heating and air conditioning systems will be provided for the controlled humidity warehouse (Air conditioning: 200 tons) and the tape storage facility (Air conditioning: 5 tons).

11. REQUIREMENT: 456,000 SF ADEQUATE: None SUBSTANDARD: 45,520 SF

PROJECT: Construct medical supply warehouse.

REQUIREMENT: This project is required to provide facilities for the 6th Medical Supply, Optical and Equipment Command (MEDSOM) unit at Camp Carroll.

CURRENT SITUATION: The 6th MEDSOM unit is currently located in eight buildings in Yongsan where storage space for organizational materials and work spaces for the various activities and functions performed by this unit is limited, inadequate, and cannot be expanded due to lack of real estate. The Camp Carroll site provides the required space to expand. This project will provide the necessary controlled-environment warehousing for proper storage of temperature and humidity sensitive medical supplies and the 5,000 lines of medical materials supplied by the unit. All other facilities for the 6th

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Carroll, Korea		
4. PROJECT TITLE Medical Supply Warehouse		5. PROJECT NUMBER 1045

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
MEDSOM were provided in the FY 86 appropriation.

IMPACT IF NOT PROVIDED: If this project is not provided, this unit will not be able to make improvements in daily operations nor will it be able to support contingency operations. The medical supply support in Korea will remain inefficient and costly during peace time and become even more ineffective for contingency purposes.

12. SUPPLEMENTAL DATA:
    A. Estimated Design Data:
        (1) Status:
            (a) Date Design Started ....JUN 84
            (b) Percent Complete As Of January 1986 100
            (c) Percent Complete As Of October 1986 100
            (d) Date Design Complete ....MAY 85

        (2) Basis:
            (a) Standard or Definitive Design - Yes ___ No X
            (b) Where Design Was Most Recently Used N/A

        (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
            (a) Production of Plans and Specifications 106
            (b) All Other Design Costs 119
            (c) Total Cost 225
            (d) Contract 125
            (e) In-house 100

        (4) Construction Start .... MAR 87
            month & year

    B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE
ARMY		14 FEB 86

3.INSTALLATION AND LOCATION	4.PROJECT TITLE
Camp Hovey, Korea	Dining Facility

5.PROGRAM ELEMENT	6.CATEGORY CODE	7.PROJECT NUMBER	8.PROJECT COST ($000)
22411A	722	1061	Auth 4,350 Approp 4,350

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,579
Dining Facilities (2 EA)	SF	34,270	104.43	(3,579)
Supporting Facilities				363
Electric Service	LS	-	-	(98)
Water, Sewer & Gas	LS	-	-	(59)
Paving, Walks, Curbs & Gutters	LS	-	-	(68)
Storm Drainage	LS	-	-	(9)
Site Improvement (54) Demolition (38)	LS	-	-	(92)
Communication	LS	-	-	(12)
Fuel Oil Storage	LS	-	-	(25)
Subtotal				3,942
Contingency (5.00%)				197
Total Contract Cost				4,139
Supervision, Inspection & Overhead (5.50%)				228
Total Request				4,367
Total Request (Rounded)				4,350
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct two (2) dining facilities. Supporting facilities include all utilities, site work, paving, fire protection systems and communications. Heating and air conditioning with self-contained systems. Demolish thirteen (13) buildings (15,836 SF). Air conditioning: 132 tons.

11. REQUIREMENT: 1,876 PN ADEQUATE: 650 PN SUBSTANDARD: 1,217 PN

PROJECT: Construct two (2) enlisted personnel dining facilities.

REQUIREMENT: This project is required to provide dining facilities for two battalions of 1,000 enlisted personnel each.

CURRENT SITUATION: These battalions are currently using eight (8) quonset huts or wood framed buildings, which were built in the 1950s. The buildings are now expensive to maintain, as their electrical, plumbing, and heating systems have outlived their design lives. The fixed equipment in all of these structures is obsolete, and none of them is insulated to current standards. In several cases the interior finish is flammable plywood.

IMPACT IF NOT PROVIDED: If the project is not provided, present unsatisfactory conditions will persist, with continued adverse effects on troop health and morale, efficient operations, efficient energy usage, and high maintenance costs.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Hovey, Korea	
4. PROJECT TITLE Dining Facility	5. PROJECT NUMBER 1061

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Date Design Started .... MAY 85
- (b) Percent Complete As Of January 1986 42
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... MAR 86

(2) Basis:

- (a) Standard or Definitive Design - Yes X No ___
- (b) Where Design Was Most Recently Used Camp Pelham, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

- (a) Production of Plans and Specifications 100
- (b) All Other Design Costs 91
- (c) Total Cost 191
- (d) Contract 0
- (e) In-house 191

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Howze, Korea	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1066	8.PROJECT COST ($000) Auth 1,800 Approp 1,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,245
Tactical Maintenance Facility	SF	10,630	68.87	(732)
Wash Platform	EA	2	11,028	(22)
Deployment Storage	SF	1,400	19.52	(27)
Flammable Storage	SF	174	52.22	(9)
Hardstand/Apron	SY	11,089	34.37	(381)
See Cost Estimates (Continued)				(74)
Supporting Facilities				397
Electric Service	LS	-	-	(63)
Water, Sewer & Gas	LS	-	-	(47)
Paving, Walks, Curbs & Gutters	LS	-	-	(7)
Storm Drainage	LS	-	-	(133)
Site Improvement (97) Demolition (21)	LS	-	-	(118)
Communication	LS	-	-	(4)
Fuel Oil Supply System	LS	-	-	(25)
Subtotal				1,642
Contingency (5.00%)				82
Total Contract Cost				1,724
Supervision, Inspection & Overhead (5.50%)				95
Total Request				1,819
Total Request (Rounded)				1,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct maintenance facilities to include grease pit, overhead hoist, latrines, office space, tool and parts storage, generator storage, battery and communications shop, POL storage and hardstand. Project to include self-contained heating plant, mechanical ventilation, exhaust emission removal system and automatic fire protection system, utilities, parking, grease and wash rack, POL and flammable storage. Demolish fifteen (15) temporary buildings (18,028 SF).

11. REQUIREMENT: 22,267 SF ADEQUATE: 11,575 SF SUBSTANDARD: 12,192 SF

PROJECT: Construct tactical maintenance facilities.

REQUIREMENT: This project is required to provide adequate maintenance facilities to perform unit level maintenance.

CURRENT SITUATION: The existing temporary-type facilities were constructed in 1960 and 1961. They are wood frame with corrugated sheet metal covering, and are extremely difficult to heat due to lack of weather-tight doors and windows, deteriorated or non-existant insulation and damaged exterior siding. There is no hot water system and only limited latrine facilities. The work bays will not accommodate larger vehicles. This requires much work to be accomplished outside in the extreme heat, cold, rain, and snow, or inside with the doors open, causing tremendous heat loss and inclement weather to create

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Howze, Korea		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1066

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Oxygen and Acetylene Shed	SF	144	26.45	4
Pump House	EA	2	21,179	42
Lift Station	EA	1	28,206	28
			Total	74

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
further damage to the building interior. The buildings have outlived their usefulness and are not economically repairable.

IMPACT IF NOT PROVIDED: If this project is not provided, maintenance will continue to be performed in inadequate facilities resulting in inefficient and improper maintenance. Lack of maintenance and parking facilities will adversely affect troop morale and the unit's mission accomplishment.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....DEC 84
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 90
(b) All Other Design Costs 22
(c) Total Cost 112
(d) Contract 0
(e) In-house 112

(4) Construction Start .... APR 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Long, Korea	4.PROJECT TITLE Unaccompanied Personnel Housing

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1074	8.PROJECT COST ($000) Auth 5,600 Approp 5,600

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,633
Barracks	SF	72,144	45.14	(3,257)
Unaccompanied Officer Housing	SF	23,280	47.46	(1,105)
Company Admin/Supply	SF	4,830	45.06	(218)
Pile Foundation	LF	3,060	9.27	(28)
Stabilized Foundation	CY	835	29.72	(25)
Supporting Facilities				436
Electric Service	LS	-	-	(55)
Water, Sewer & Gas	LS	-	-	(48)
Paving, Walks, Curbs & Gutters	LS	-	-	(43)
Storm Drainage	LS	-	-	(35)
Site Improvement (74) Demolition (49)	LS	-	-	(123)
Communication	LS	-	-	(10)
Other	LS	-	-	(122)
Subtotal				5,069
Contingency (5.00%)				253
Total Contract Cost				5,322
Supervision, Inspection & Overhead (5.50%)				293
Total Request				5,615
Total Request (Rounded)				5,600
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks, a bachelor officers quarters and a company administration and supply facility, to include all utilities, paving, walks, fire detection/alarm/sprinkler systems, air conditioning, communication provisions and site improvements. Heating and air conditioning will be provided by self-contained systems. Demolish 38 buildings. (55,286) SF. Air conditioning: 196 tons.

11. REQUIREMENT: 432 PN ADEQUATE: None SUBSTANDARD: 467 PN

PROJECT: Construct a barracks and unaccompanied officers housing with company administration and supply facility.

REQUIREMENT: This project is required to provide adequate housing for 240 E1-E4, 66 E5-E6, 31 E7-E9 (intended utilization), with a maximum utilization of 432. Forty-eight (48) officers are also provided for with a maximum utilization of 48.

CURRENT SITUATION: Soldiers at Camp Long are currently housed and work in deteriorated quonsets which lack insulation. They leak, are impossible to maintain, and should be demolished. The living environment adversely affects morale, thereby disrupting the ability to fully accomplish the mission.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers at Camp Long will continue to live and work in grossly inadequare facilities.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Long, Korea		
4.PROJECT TITLE Unaccompanied Personnel Housing		5.PROJECT NUMBER 1074

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

adversely affecting their morale. Excessive maintenance and repair costs will be required and inefficient energy utilization will continue.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUN 85
(b) Percent Complete As Of January 1986 42
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 65
(b) All Other Design Costs 132
(c) Total Cost 197
(d) Contract 102
(e) In-house 95

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Yongson, Korea	4.PROJECT TITLE Unaccompanied Personnel Housing

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1075	8.PROJECT COST ($000) Auth 2,500 Approp 2,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,003
Barracks	SF	35,516	45.15	(1,604)
Unaccompanied Officers Housing	SF	7,742	51.48	(399)
Supporting Facilities				268
Electric Service	LS	-	-	(68)
Water, Sewer & Gas	LS	-	-	(11)
Paving, Walks, Curbs & Gutters	LS	-	-	(13)
Storm Drainage	LS	-	-	(10)
Site Improvement (47) Demolition (98)	LS	-	-	(145)
Communication	LS	-	-	(6)
Fuel Oil Storage	LS	-	-	(15)
Subtotal				2,271
Contingency (5.00%)				114
Total Contract Cost				2,385
Supervision, Inspection & Overhead (5.50%)				131
Total Request				2,516
Total Request (Rounded)				2,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks and unaccompanied officers housing to include all required utilities, fire protection and detection systems, walks, paving, drainage, air conditioning, site improvements, and communication provisions. Heating and air conditioning will be provided by self contained units. Demolish 13 buildings (25,872 SF). Air conditioning: 88 tons.

11. REQUIREMENT: 493 PN ADEQUATE: 168 PN SUBSTANDARD: 191 PN

PROJECT: Construct a barracks and unaccompanied officers housing.

REQUIREMENT: This project is required to provide adequate housing for 147 E1-E4, 46 E5-E6, with a maximum utilization of 216. Sixteen officers are also provided for with a maximum utilization of 16.

CURRENT SITUATION: The existing facilities were erected in 1953 for expedient troop housing. They lack proper insulation and are beyond economical repair.

IMPACT IF NOT PROVIDED: If this project is not provided, high maintenance costs will continue with an adverse impact on troop morale. These living conditions will adversely affect combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Yongson, Korea		
4.PROJECT TITLE Unaccompanied Personnel Housing		5.PROJECT NUMBER 1075

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data:

(1) Status:

(a)	Date Design Started	MAY 85
(b)	Percent Complete As Of January 1986	42
(c)	Percent Complete As Of October 1986	100
(d)	Date Design Complete	SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e):

		($000)
(a)	Production of Plans and Specifications	49
(b)	All Other Design Costs	76
(c)	Total Cost	125
(d)	Contract	75
(e)	In-house	50

(4) Construction Start ..... MAR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Castle, Korea	4.PROJECT TITLE Flammable Material Storage

5.PROGRAM ELEMENT 22411A	6.CATEGORY CODE 442	7.PROJECT NUMBER 1080	8.PROJECT COST ($000) Auth 2,850 Approp 2,850

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,980
Flammable Material Storehouse	SF	38,784	42.17	(1,636)
Water Storage Tank	LS	-	-	(338)
Pump House	LS	-	-	(6)
Supporting Facilities				597
Electric Service	LS	-	-	(26)
Water, Sewer & Gas	LS	-	-	(155)
Paving, Walks, Curbs & Gutters	LS	-	-	(212)
Storm Drainage	LS	-	-	(70)
Site Improvement (107) Demolition (6)	LS	-	-	(113)
Communication	LS	-	-	(1)
Oil Storage	LS	-	-	(20)
Subtotal				2,577
Contingency, (5.00%)				129
Total Contract Cost				2,706
Supervision, Inspection & Overhead (5.50%)				149
Total Request				2,855
Total Request (Rounded)				2,850
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a flammable material storehouse to include office, record section, administration, latrine, loading dock with overhead cover, 150,000 gallon water storage tank, forklift ramp, mechanical room and storage areas. Construction shall include all required utilities, paving, walks, site work and communications. A self-contained heating system and fire alarm/protection (sprinkler) system will be provided. Demolition of two buildings (1,820 SF).

11. REQUIREMENT: 40,000 SF ADEQUATE: None SUBSTANDARD: 820 SF

PROJECT: Construct a flammable material storehouse.

REQUIREMENT: This project is required to provide the Division Support Command, 2d Infantry Division, an adequate storage facility for packaged Petroleum, Oil and Lubricants (POL), paint, solvents, and flammable materials. The building will provide environmental protection of flammable materials and protection against loss or damage from fire caused by accident, sabotage, or other hostile action.

CURRENT SITUATION: Currently, packaged POL and other flammables are stored in a small corrugated steel structure (built in 1955), under tents, and in the open. Cardboard and metal containers stored in the open are directly exposed to the weather and deteriorate rapidly. Those supplies stored under tents or

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Castle, Korea		
4. PROJECT TITLE Flammable Material Storage		5. PROJECT NUMBER 1080

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
in the single small building suffer the effects of extremes in temperature and humidity, rust, mold, and mildew. Presently, no active measures can be taken against the direct risk of fire. Compartmentalization, detection, and sprinkler systems are not possible under existing conditions. The close proximity to the Demilitarized Zone poses a real threat of deliberate fire through sabotage, terrorism, or other overt hostile acts.
IMPACT IF NOT PROVIDED: If this project is not provided, material loss due to exposure to the elements will needlessly continue. Petroleum products are vital to the operation of a mechanized force, and in the event of a fire, their loss would severely reduce the Division's readiness and mission capability.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... MAR 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 80
(b) All Other Design Costs 40
(c) Total Cost 120
(d) Contract 0
(e) In-house 120

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Yongson, Korea	4. PROJECT TITLE Tactical Equipment Shop

5. PROGRAM ELEMENT 22411A	6. CATEGORY CODE 214	7. PROJECT NUMBER 1082	8. PROJECT COST ($000) Auth 2,500 Approp 2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,924
Tactical Maintenance Facility	SF	34,500	44.75	(1,544)
Paint Storage	SF	576	30.00	(17)
Flammable Storage	SF	384	30.00	(12)
Concrete Wash Pad	LS	-	-	(2)
Grease Rack	LS	-	-	(22)
See Cost Estimates (Continued)				(327)
Supporting Facilities			-	354
Electric Service	LS	-	-	(45)
Water, Sewer & Gas	LS	-	-	(22)
Paving, Walks, Curbs & Gutters	LS	-	-	(18)
Storm Drainage	LS	-	-	(6)
Site Improvement (204) Demolition (45)	LS	-	-	(249)
Communication	LS	-	-	(6)
Fuel Oil Storage	LS	-	-	(8)
Subtotal				2,278
Contingency (5.00%)				114
Total Contract Cost				2,392
Supervision, Inspection & Overhead (5.50%)				132
Total Request				2,524
Total Request (Rounded)				2,500
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a maintenance facility, with administration and supply to include vehicle maintenance bays, an engineer equipment maintenance area, washrack, storage area for tools and parts, an authorized stockage list warehouse, offices for maintenance supervisory personnel, and hardstand. The project will include latrines with showers and locker rooms, site work parking, lighting and fencing. Heating by self-contained units. Demolish two (2) buildings (52,118 SF). Mechanical ventilation: 69,000 CFM.

11. REQUIREMENT: 34,500 SF ADEQUATE: None SUBSTANDARD: 52,118 SF

PROJECT: Construct a tactical maintenance facility with supply and administration space.

REQUIREMENT: This project is required to provide adequate maintenance facilities for organic and direct support maintenance. This facility will be used by mechanics to maintain 356 tactical vehicles, trailers, and major engineer construction equipment items.

CURRENT SITUATION: The existing maintenance and administration facility is a temporary structure built in 1955 as a warehouse. Although this facility provides sufficient space, much of the space cannot be effectively used to support mission requirements. This facility is unsafe by current OSHA

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Yongson, Korea		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1082

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Guard House	LS	-	-	2
Hardstand	SY	8,267	18.00	149
Aprons	SY	9,772	18.00	176
			Total	327

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

standards, so that continued operation in the building poses a threat to the health and welfare of the soldiers working there. During cold weather, the performance of the maintenance personnel working in this facility is reduced significantly, adversely affecting mission capability. The existing structure is inefficient and has outlived its useful life.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to continue working in an unsafe, unhealthy environment and will continue to be frustrated in their efforts to perform at their capabilities. The operational readiness rate and mission capability of the engineer unit will be adversely affected.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $1,000,000 based on awarding a single construction contract for this project with project numbers 1083 and 1088 at Yongsan, Korea.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUN 85
(b) Percent Complete As Of January 1986 42
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 71
(b) All Other Design Costs 33
(c) Total Cost 104
(d) Contract 60
(e) In-house 44

(4) Construction Start .... MAR 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Yongson, Korea		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1082

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Libby, Korea	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1084	8.PROJECT COST ($000) Auth 1,100 Approp 1,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				544
Tactical Equipment Shop	SF	7,026	67.34	(473)
Gate House	LS	-	-	(8)
Grease Rack	LS	-	-	(14)
Wash Platform	LS	-	-	(10)
Deployment Equipment Storage	SF	700	19.52	(14)
See Cost Estimates (Continued)				(25)
Supporting Facilities				470
Electric Service	LS	-	-	(76)
Water, Sewer & Gas	LS	-	-	(84)
Paving, Walks, Curbs & Gutters	LS	-	-	(164)
Storm Drainage	LS	-	-	(3)
Site Improvement	LS	-	-	(107)
Communication	LS	-	-	(3)
Fence (23); Fuel Oil Stge (10)	LS	-	-	(33)
Subtotal				1,014
Contingency (5.00%)				51
Total Contract Cost				1,065
Supervision, Inspection & Overhead (5.50%)				59
Total Request				1,124
Total Request (Rounded)				1,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a tactical equipment maintenance facility complete with grease rack, wash platform, station house, flammable storage, sentry station, deployment storage and outdoor storage for support maintenance. Supporting facilities include utilities, paving, fire protection, security fencing, storm drainage, site work, and communications. Heating will be provided by a self contained, oil-fired heating plant.

11. REQUIREMENT: 7,027 SF ADEQUATE: None SUBSTANDARD: 2,132 SF

PROJECT: Construct a tactical equipment shop.

REQUIREMENT: This project is required to provide maintenance facilities for twelve (12) tactical vehicles, eight (8) trailers, various installed property equipment, and numerous commercial items common in high pressure pipeline operations. This facility will permit year-round maintenance in a clean and protected environment.

CURRENT SITUATION: The present maintenance facility was constructed in 1967. Increased mission requirements have overloaded the space available to perform the required maintenance. This facility is located in a cramped area, which will not allow for expansion. The facility is in violation of various occupational safety and health codes and has deteriorated to the extent that repairing and upgrading is not economically or physically feasible.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Libby, Korea		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1084

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Flammable Storage (126 SF)	LS	-	-	12
Pump Vault	LS	-	-	13
			Total	25

IMPACT IF NOT PROVIDED: If this project is not provided, the inadequate, unsafe facility will continue to be used with the resulting reduced efficiency and increased maintenance costs.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 48
(b) All Other Design Costs 46
(c) Total Cost 94
(d) Contract 64
(e) In-house 30

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Humphreys, Korea	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 218	7.PROJECT NUMBER 1085	8.PROJECT COST ($000) Auth 5,900 Approp 5,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,608
Maintenance Shop	SF	49,270	57.58	(2,837)
Wash Platform	EA	10	3,985	(40)
A/C Flammable Storage	SF	1,224	19.38	(24)
Station House	SF	120	50.22	(6)
Hardstand/Aprons	SY	53,715	26.35	(1,415)
See Cost Estimates (Continued)				(286)
Supporting Facilities				719
Electric Service	LS	-	-	(128)
Water, Sewer & Gas	LS	-	-	(113)
Paving, Walks, Curbs & Gutters	LS	-	-	(11)
Storm Drainage	LS	-	-	(60)
Site Improvement (348) Demolition (28)	LS	-	-	(376)
Communication	LS	-	-	(8)
Fuel Oil Storage	LS	-	-	(23)
Subtotal				5,327
Contingency (5.00%)				266
Total Contract Cost				5,593
Supervision, Inspection & Overhead (5.50%)				308
Total Request				5,901
Total Request (Rounded)				5,900
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a Combat Engineer Battalion Maintenance Shop to consist of working bays, bay support areas, battery and storage rooms, administration offices, shop control offices, direct exchange and technical supply section, general item repair shops, prescribed load list storage area, break/conference/training rooms, and mechanical room. Work will include the required utility services, overhead cranes, fire protection and alarm system, safety features, storm drainage, paving, site preparation and improvements, communications, outdoor service and storage, wash platforms, a station house, flammable storage, and sentry station. Heating will be provided by a self-contained, oil-fired system. Fifteen (15) buildings (24,018 SF) will be demolished.

11. REQUIREMENT: 176,783 SF ADEQUATE: 106,596 SF SUBSTANDARD: 10,600 SF

PROJECT: Construct a tactical equipment shop.

REQUIREMENT: This project is required to provide a permanent maintenance facility for a Combat Heavy Engineer Battalion to successfully complete its mission. This new facility will house approximately 115 skilled mechanics, supply technicians, and supervisors who will maintain 534 items of complex engineer construction equipment and tactical and combat vehicles. This project will allow for the consolidation of the following activities:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Camp Humphreys, Korea

4.PROJECT TITLE

Tactical Equipment Shop

5.PROJECT NUMBER

1085

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Grease Racks	EA	4	12,338	49
Sentry Station	SF	80	59.69	5
Deployment Storage	SF	3,488	15.83	55
Pump House	SF	150	233.50	35
Pretension Conc. Piles	LS	-	-	142
			Total	286

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
Organizational Maintenance Section for five companies, the direct support maintenance for all engineer equipment, and the supporting maintenance supply section. The consolidation of these activities will result in increased productivity and improve efficiency. This new facility will create better working conditions and improve the flow of work, thereby increasing the reliability of products repaired. This battalion mission depends on operational equipment, making an adequate maintenance facility essential.

CURRENT SITUATION: Maintenance support operations are now carried out in temporary structures constructed between 1953 and 1960. All the facilities to be replaced are in various states of advanced deterioration with poor lighting systems and inadequate electrical systems. The ventilation systems in all the buildings are totally inadequate. The present heating systems in the motor pool buildings are such that during extreme weather conditions in the winter, all work stops because it is too cold to work inside. Safety features such as eye wash and fire prevention systems are nonexistent. Drainage in the motor pool results in water flowing into and ponding in the work bays. Winter ice does not melt and creates a significant safety hazard inside. The age and condition of these buildings results in unnecessarily high energy and maintenance costs and provides poor working conditions.

IMPACT IF NOT PROVIDED: If this project is not provided, the present costly and inefficient maintenance efforts on the existing buildings will continue to escalate. These facilities will continue to deteriorate and the Engineer Battalion will be without adequate facilities to perform the required maintenance on equipment and vehicles. This will seriously jeopardize this unit's capabilities to accomplish its mission.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $200,000 based on awarding a single construction contract for this project with project numbers 1087 and 1096 at Camp Humphreys, Korea.

12. SUPPLEMENTAL DATA:
- A. Estimated Design Data:
  - (1) Status:
    - (a) Date Design Started ....JUL 85

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Humphreys, Korea		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1085

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 207
(b) All Other Design Costs 168
(c) Total Cost 375
(d) Contract 225
(e) In-house 150

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Page, Korea	4.PROJECT TITLE Unaccompanied Officers Housing

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 724	7.PROJECT NUMBER 1086	8.PROJECT COST ($000) Auth 1,400 Approp 1,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,124
Unaccompanied Officers Housing	SF	23,280	47.82	(1,113)
Pile Foundation	LS	-	-	(11)
Supporting Facilities				148
Electric Service	LS	-	-	(57)
Water, Sewer & Gas	LS	-	-	(9)
Steam, Chilled Water & Heat Distribution	LS	-	-	(4)
Paving, Walks, Curbs & Gutters	LS	-	-	(7)
Storm Drainage	LS	-	-	(5)
Site Improvement (29) Demolition (24)	LS	-	-	(53)
Communication	LS	-	-	(13)
Subtotal				1,272
Contingency (5.00%)				64
Total Contract Cost				1,336
Supervision, Inspection & Overhead (5.50%)				73
Total Request				1,409
Total Request (Rounded)				1,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct unaccompanied officers housing to include all utilities, site improvements, paving, walks, fire detector/alarm systems, air conditioning and communications. Steam heat will be provided from a central boiler plant. Demolish one building (3,500 SF). Air conditioning by a self-contained system: 47 tons.

11. REQUIREMENT: 179 PN ADEQUATE: 48 PN SUBSTANDARD: 75 PN

PROJECT: Construct unaccompanied officers housing.

REQUIREMENT: This project is required to provide adequate quarters for 117 officers in grades O-1 and O-2, and 63 in grades O-3 and above. This project will provide adequate housing for 48 officers (maximum utilization). It is part of the continuing program at Camp Page to replace all substandard housing.

CURRENT SITUATION: The existing facilities currently used for officer housing are deteriorated quonset huts and temporary structures built during the 1950s. The lack of adequate insulation makes any energy conservation impossible. Maintenance and repair costs are also excessive and the total operating costs continue to escalate. The substandard living conditions are compounded by the lack of sufficient living quarters to house all the officers on the installation. Project number 1015 in FY 86 will provide 48 adequate

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Page, Korea		
4. PROJECT TITLE Unaccompanied Officers Housing		5. PROJECT NUMBER 1086

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
officer housing spaces.
IMPACT IF NOT PROVIDED: If this project is not provided, officers will continue to use the substandard facilities which will adversely affect their morale. High maintenance and repair costs and excessive energy consumption will persist. These living conditions will have a negative impact on the health, welfare, and mission readiness of the officers at Camp Page.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAY 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used CAMP PAGE

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 33
(b) All Other Design Costs 24
(c) Total Cost 57
(d) Contract 47
(e) In-house 10

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Humphreys, Korea	4.PROJECT TITLE Aircraft Maintenance Hangar Addition

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 211	7.PROJECT NUMBER 1087	8.PROJECT COST ($000) Auth 1,500 Approp 1,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,061
Hangar	SF	17,267	61.34	(1,059)
Helipad (2)	LS	-	-	(2)
Supporting Facilities				307
Electric Service	LS	-	-	(12)
Water, Sewer & Gas	LS	-	-	(55)
Paving, Walks, Curbs & Gutters	LS	-	-	(101)
Storm Drainage	LS	-	-	(31)
Site Improvement	LS	-	-	(91)
Communication	LS	-	-	(2)
Fuel Oil Storage	LS	-	-	(15)
Subtotal				1,368
Contingency (5.00%)				68
Total Contract Cost				1,436
Supervision, Inspection & Overhead (5.50%)				79
Total Request				1,515
Total Request (Rounded)				1,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an addition to an existing aviation company maintenance hangar. This addition will consist of hangar shop spaces, three (3) UH-60 aircraft space modules, offices, storage, classroom, and circulation. A 4-ton capacity traveling bridge crane system is required in the hangar area. The required utility services, paving (walks, extension of the parking apron, and construction of two UH-60 helipads), fire protection and alarm system, communication system, site preparation and improvements, storm drainage, and security fencing are included in the scope of work. Heating will be provided by a self-contained, oil-fired heating system.

11. REQUIREMENT: 241,736 SF ADEQUATE: 182,658 SF SUBSTANDARD: None

PROJECT: Construct an addition to an existing hangar, extend parking apron, and construct two UH-60 parking spaces.

REQUIREMENT: The addition is urgently needed to provide adequate work space to maintain the 15 assigned UH-60 aircraft.

CURRENT SITUATION: Due to the lack of hangar space, a significant percentage of maintenance work is accomplished on the parking ramp. This adds considerably to the time required to accomplish the required maintenance, especially during the winter months when temperatures range between 10 degrees F and 25 degrees F. Maintenance of aircraft on the parking ramp reduces the

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Humphreys, Korea		
4. PROJECT TITLE Aircraft Maintenance Hangar Addition		5. PROJECT NUMBER 1087

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
reliability of maintenance work performed because it is not done in a clean and protective environment. TOE equipment and mission basic loads are presently stored in CONEX containers at various locations on Camp Humphreys. These CONEX containers do not provide the proper storage conditions.
IMPACT IF NOT PROVIDED: If this project is not provided, the maintenance mission of the 201st Aviation Company will continue to be seriously hindered. Due to the shortage of hangar space, aircraft maintenance will continue to be performed on the parking apron, creating unsafe working conditions and reducing the reliability of maintenance performed, which could be fatal.
ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $200,000 based on awarding a single construction contract for this project with project numbers 1085 and 1096 at Camp Humphreys, Korea.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... JUL 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 70
(b) All Other Design Costs 53
(c) Total Cost 123
(d) Contract 83
(e) In-house 40

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Humphreys, Korea	4.PROJECT TITLE Unit Maintenance Hangar

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 211	7.PROJECT NUMBER 1096	8.PROJECT COST ($000) Auth 3,700 Approp 3,700

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,861
Aircraft Maintenance Hangar	SF	41,500	59.00	(2,449)
Wash platform	LS	-	-	(19)
Parking Apron	LS	-	-	(217)
Pile Foundation	LS	-	-	(30)
Tie Down Anchors, etc.	LS	-	-	(13)
See Cost Estimates (Continued)				(133)
Supporting Facilities				500
Electric Service	LS	-	-	(54)
Water, Sewer & Gas	LS	-	-	(62)
Paving, Walks, Curbs & Gutters	LS	-	-	(28)
Storm Drainage	LS	-	-	(50)
Site Improvement	LS	-	-	(278)
Communication	LS	-	-	(9)
Fuel Oil Storage	LS	-	-	(19)
Subtotal				3,361
Contingency (5.00%)				168
Total Contract Cost				3,529
Supervision, Inspection & Overhead (5.50%)				194
Total Request				3,723
Total Request (Rounded)				3,700
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an aircraft maintenance hangar (AVUM) to include hangar floor space (maintenance space, fire access and safety corridor), hangar shop space (basic and special), access apron, washing apron, overhead hoist, paving, communication provisions, fire protection systems, security lighting, utilities, and site preparation/improvements. Heat will be provided by self-contained units.

11. REQUIREMENT: 241,736 SF ADEQUATE: 182,658 SF SUBSTANDARD: None

PROJECT: Construct an aircraft maintenance facility at Camp Humphreys.

REQUIREMENT: This project is required to provide an adequate aircraft maintenance hangar (AVUM) for the 377th Medical company. The numbers and types of aircraft to be maintained are 25 EA UH-60A.

CURRENT SITUATION: The 377th Medical Company is currently using a hanagar assigned to two other units. This hangar is incapable of accommodating the aircraft for all three units, especially the larger UH-60.

IMPACT IF NOT PROVIDED: If the project is not approved, the aircraft will have extremely inadequate maintenance facilities. The UH-60,s will require servicing at their parking pads exposed to the adverse elements. This will affect troop morale, maintenance quality and capability, and combat readiness.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Humphreys, Korea		
4.PROJECT TITLE Unit Maintenance Hangar		5.PROJECT NUMBER 1096

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Pump House	LS	-	-	133
			Total	133

11. REQUIREMENT: (Continued)

ADDITIONAL: (Continued)

$500,000 based on awarding a single construction contract for this project with project numbers 1085 and 1087 at Camp Humphreys, Korea.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUL 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 99
(b) All Other Design Costs 121
(c) Total Cost 220
(d) Contract 116
(e) In-house 104

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Second Infantry, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1098	8.PROJECT COST ($000) Auth 2,800 Approp 2,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,225
Barracks	SF	48,104	46.25	(2,225)
Supporting Facilities				287
Electric Service	LS	-	-	(36)
Water, Sewer & Gas	LS	-	-	(80)
Paving, Walks, Curbs & Gutters	LS	-	-	(31)
Storm Drainage	LS	-	-	(42)
Site Improvement (61) Demolition (14)	LS	-	-	(75)
Communication	LS	-	-	(12)
Fuel Oil Tank, 4,000 Gals	LS	-	-	(11)
Subtotal				2,512
Contingency (5.00%)				126
Total Contract Cost				2,638
Supervision, Inspection & Overhead (5.50%)				145
Total Request				2,783
Total Request (Rounded)				2,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks to include all utilities, site work, parking, walks, fire alarm/sprinkler systems, and communications. Heating and air conditioning will be by self-contained units. Demolish nine (9) buildings (15,126 SF). Air conditioning: 96 tons.

11. REQUIREMENT: 297 PN ADEQUATE: 96 PN SUBSTANDARD: 97 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 88 E1-E4, 89 E5-E6, and 22 E7-E9 enlisted personnel (intended utilization), with a maximum utilization of 288.

CURRENT SITUATION: The existing barracks have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a minimally livable condition. Many of these facilities have leaky walls, roofs and windows. In addition, the lack of adequate insulation results in excessive fuel consumption. Latrine and shower facilities are located in detached buildings, sometimes separated by several hundred feet from the living quarters. The substandard living conditions currently have a negative impact on the health, morale and mission readiness of the soldiers of the 2nd Infantry Division.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION
Second Infantry, Korea

4.PROJECT TITLE Barracks	5.PROJECT NUMBER 1098

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)

continue to live in existing substandard housing facilities. High maintenance and repair costs and excessive energy consumption will persist. These living conditions will continue to adversely affect troop morale and negatively impact combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  (1) Status:
    (a) Date Design Started ....MAY 85
    (b) Percent Complete As Of January 1986 50
    (c) Percent Complete As Of October 1986 100
    (d) Date Design Complete ....JUN 86

  (2) Basis:
    (a) Standard or Definitive Design - Yes X No ___
    (b) Where Design Was Most Recently Used Various . . Korea

  (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    (a) Production of Plans and Specifications 34
    (b) All Other Design Costs 62
    (c) Total Cost 96
    (d) Contract 47
    (e) In-house 49

  (4) Construction Start .... MAY 87
  month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Greaves, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1099	8.PROJECT COST ($000) Auth 2,350 Approp 2,350

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,624
Barracks	SF	35,516	45.73	(1,624)
Supporting Facilities				513
Electric Service	LS	-	-	(53)
Water, Sewer & Gas	LS	-	-	(15)
Paving, Walks, Curbs & Gutters	LS	-	-	(6)
Storm Drainage	LS	-	-	(102)
Site Improvement (305) Demolition (7)	LS	-	-	(312)
Communication	LS	-	-	(6)
Fuel Oil Storage	LS	-	-	(19)
Subtotal				2,137
Contingency (5.00%)				107
Total Contract Cost				2,244
Supervision, Inspection & Overhead (5.50%)				123
Total Request				2,367
Total Request (Rounded)				2,350
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks to include all utilities, site improvements, paving, parking, walks, fire alarm/detection systems, and communications. Heating and air conditioning will be by self contained units. Demolish two temporary-type buildings (4,320 SF). Air Conditioning: 72 tons.

11. REQUIREMENT: 664 PN ADEQUATE: 96 PN SUBSTANDARD: 345 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 144 E5-E6, (intended utilization), with a maximum utilization of 216.

CURRENT SITUATION: The majority of soldiers at Camp Greaves are inadequately housed in cramped temporary facilities. The existing housing has deteriorated to a point requiring frequent and costly maintenance and repair to keep it in a minimally livable condition. Latrine and shower facilities are located in detached buildings, often separated by several hundred feet from the living quarters. The substandard living conditions currently have a negative impact on the health, morale and mission readiness of the soldiers of the 2nd Infantry Division.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will continue to be forced to live in substandard housing facilities. High maintenance and repair costs and excessive energy consumption will persist.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Greaves, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1099

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

These living conditions will continue to adversely affect troop morale and negatively impact on combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85

(b) Percent Complete As Of January 1986 42

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 24

(b) All Other Design Costs 38

(c) Total Cost 62

(d) Contract 31

(e) In-house 31

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Castle, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1100	8.PROJECT COST ($000) Auth 1,950 Approp 1,950

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,621
Barracks	SF	35,516	45.64	(1,621)
Supporting Facilities				140
Electric Service	LS	-	-	(37)
Water, Sewer & Gas	LS	-	-	(1)
Paving, Walks, Curbs & Gutters	LS	-	-	(18)
Storm Drainage	LS	-	-	(8)
Site Improvement (28) Demolition (10)	LS	-	-	(38)
Communication	LS	-	-	(18)
Oil Storae (6,000 Gal)	LS	-	-	(20)
Subtotal				1,761
Contingency (5.00%)				88
Total Contract Cost				1,849
Supervision, Inspection & Overhead (5.50%)				102
Total Request				1,951
Total Request (Rounded)				1,950
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks to include all utilities, site improvements, parking, walks, fire detection/ alarm systems, and communications. Heating and air conditioning will be by self-contained units. Demolish three temporary-type buildings (7,872 SF). Air conditioning: 72 tons.

11. REQUIREMENT: 487 PN ADEQUATE: 82 PN SUBSTANDARD: 510 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 216 E1-E4 (intended and maximum utilization).

CURRENT SITUATION: Currently, the majority of soldiers at Camp Castle are housed in inadequate, temporary-type facilities constructed during the 1950's. The existing housing facilities have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a minimally livable condition. Latrine and shower facilities are located in detached facilities, sometimes separated by several hundred feet from the living quarters. The substandard living conditions currently have a negative impact on the health, morale and mission readiness of the soldiers of the 2nd Infantry Division.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to continue to live in substandard housing facilities. High

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Camp Castle, Korea

4.PROJECT TITLE Barracks	5.PROJECT NUMBER 1100

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
maintenance and repair costs and excessive energy consumption will persist. These living conditions will continue to adversely affect troop morale and negatively impact on combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAR 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 90
(b) All Other Design Costs 39
(c) Total Cost 129
(d) Contract 0
(e) In-house 129

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Stanley, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1101	8.PROJECT COST ($000) Auth 2,450 Approp 2,450

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,003
Barracks	SF	35,516	45.15	(1,604)
Bachelor Officer Qtrs	SF	7,742	51.48	(399)
Supporting Facilities				205
Electric Service	LS	-	-	(35)
Water, Sewer & Gas	LS	-	-	(33)
Paving, Walks, Curbs & Gutters	LS	-	-	(40)
Storm Drainage	LS	-	-	(10)
Site Improvement (32) Demolition (32)	LS	-	-	(64)
Communication	LS	-	-	(12)
U/C Oil Storage Tank, 4,000 Gal	LS	-	-	(11)
Subtotal				2,208
Contingency (5.00%)				110
Total Contract Cost				2,318
Supervision, Inspection & Overhead (5.50%)				128
Total Request				2,446
Total Request (Rounded)				2,450
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks and a bachelor officers quarters to include all utilities, site improvements, paving, parking, walks, fire detection/alarm systems, and communication provisions. Heating and air conditioning will be by self-contained units. Demolish five temporary-type buildings (9,704 SF). Air conditioning: 88 tons.

11. REQUIREMENT: 2,616 PN ADEQUATE: 1,328 PN SUBSTANDARD: 1,288 PN

PROJECT: Construct a barracks and a bachelor officers quarters (BOQ).

REQUIREMENT: This project is required to provide adequate housing for 216 E1-E4, (intended utilization) with a maximum utilization of 216. Sixteen officers are also provided for with a maximum utilization of 16.

CURRENT SITUATION: Almost half of the soldiers at Camp Stanley are housed in inadequate, temporary facilities. The existing housing facilities have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a minimally livable condition. Latrine and shower facilities are located in detached buildings, often separated by several hundred feet from the living quarters. The substandard living conditions currently have a negative impact on the health, morale and mission readiness of the soldiers of the 2nd Infantry Division.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Stanley, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1101

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
continue to live in existing substandard housing facilities. High maintenance and repair costs and excessive energy consumption will persist. These living conditions will continue to adversely affect troop morale and negatively impact on combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 42
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes _X_ No ___
(b) Where Design Was Most Recently Used VARIOUS, KOREA

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 32
(b) All Other Design Costs 54
(c) Total Cost 86
(d) Contract 41
(e) In-house 45

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Essayons, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1102	8.PROJECT COST ($000) Auth 1,850 Approp 1,850

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,598
Barracks	SF	35,516	45.00	(1,598)
Supporting Facilities				93
Electric Service	LS	-	-	(33)
Water, Sewer & Gas	LS	-	-	(17)
Paving, Walks, Curbs & Gutters	LS	-	-	(9)
Storm Drainage	LS	-	-	(2)
Site Improvement (11) Demolition (3)	LS	-	-	(14)
Communication	LS	-	-	(7)
Fuel Oil Storage	LS	-	-	(11)
Subtotal				1,691
Contingency (5.00%)				85
Total Contract Cost				1,776
Supervision, Inspection & Overhead (5.50%)				98
Total Request				1,874
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks to include all utilities, site work, parking, walks, fire detection/alarm systems, and communications. Heating and air conditioning by self-contained units. Demolish two buildings (2,769 SF). Air conditioning 72 tons.

11. REQUIREMENT: 612 PN ADEQUATE: 228 PN SUBSTANDARD: 330 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 68 E1-E4, 96 E5-E6, (intended utilization), with a maximum utilization of 212.

CURRENT SITUATION: Currently, enlisted housing facilities not already replaced have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a livable condition. Many of these facilities have leaky walls, roofs, and windows, and lack adequate insulation, resulting in excessive fuel consumption. Latrine and shower facilities are located in detached buildings, often separated by several hundred feet from the living quarters. The substandard living conditions currently have a negative impact on the health, morale, and mission readiness of the soldiers.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to live in existing cramped substandard housing facilities, adversely

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Essayons, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1102

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
affecting troop morale and negatively impacting on combat readiness and mission accomplishment. High maintenance and repair costs and excessive energy consumption will persist.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JUN 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	22
(b) All Other Design Costs	50
(c) Total Cost	72
(d) Contract	32
(e) In-house	40

(4) Construction Start .... JUN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Camp Howze, Korea	Barracks

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
22496A	721	1103	Auth 4,050 Approp 4,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,215
Barracks (2 EA)	SF	71,032	45.14	(3,206)
Pile Foundation	LS	-	-	(9)
Supporting Facilities				462
Electric Service	LS	-	-	(72)
Water, Sewer & Gas	LS	-	-	(36)
Paving, Walks, Curbs & Gutters	LS	-	-	(98)
Storm Drainage	LS	-	-	(36)
Site Improvement (133) Demolition (10)	LS	-	-	(143)
Communication	LS	-	-	(13)
Chiller 7 Pad (56) Fuel Tank (10	LS	-	-	(64)
Subtotal				3,677
Contingency (5.00%)				184
Total Contract Cost				3,861
Supervision, Inspection & Overhead (5.50%)				212
Total Request				4,073
Total Request (Rounded)				4,050
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a barracks to include all utilities, site work, paving, parking, walks, fire detection/alarm systems, and communications provisions. Heating and air conditioning by self-contained units. Demolish ten (10) temporary buildings (11,047 SF). Air conditioning: 144 tons.

11. REQUIREMENT: 912 PN ADEQUATE: 96 PN SUBSTANDARD: 399 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 254 E1-E4, 118 E5-E6 (intended utilization), with a maximum utilization of 431.

CURRENT SITUATION: Currently, the majority of soldiers are housed in inadequate, temporary facilities, which have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a livable condition. Many of these facilities have leaky walls, roofs and windows, and lack adequate insulation, resulting in excessive fuel consumption. Latrine and shower facilities are located in detached buildings, often separated by several hundred feet from the living quarters.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to continue to live in existing substandard housing facilities, which will continue to adversely affect troop morale and negatively impact on combat

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Howze, Korea		
4. PROJECT TITLE Barracks		5. PROJECT NUMBER 1103

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
readiness and mission accomplishment. High maintenance and repair costs and excessive energy consumption will persist.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 37
(b) All Other Design Costs 32
(c) Total Cost 69
(d) Contract 59
(e) In-house 10

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	**2. DATE** 14 FEB 86

3. INSTALLATION AND LOCATION Camp Humphreys, Korea	**4. PROJECT TITLE** Barracks

5. PROGRAM ELEMENT 22496A	**6. CATEGORY CODE** 721	**7. PROJECT NUMBER** 1112	**8. PROJECT COST ($000)** Auth 5,700 Approp 5,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,810
Barracks	SF	106,548	45.14	(4,810)
Supporting Facilities				291
Electric Service	LS	-	-	(52)
Water, Sewer & Gas	LS	-	-	(28)
Paving, Walks, Curbs & Gutters	LS	-	-	(46)
Storm Drainage	LS	-	-	(10)
Site Improvement (106) Demolition (31)	LS	-	-	(137)
Communication	LS	-	-	(6)
Exterior Mechanical Work	LS	-	-	(12)
Subtotal				5,101
Contingency (5.00%)				255
Total Contract Cost				5,356
Supervision, Inspection & Overhead (5.50%)				295
Total Request				5,651
Total Request (Rounded)				5,700
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a barracks to include required utility services, fire protection and alarm systems, storm drains, paving, parking, site preparation, and communication provisions. Heating and hot water from existing plant. Demolish six (6) buildings (35,524 SF). Air conditioning with self-contained system: 216 tons.

11. REQUIREMENT: 3,987 PN ADEQUATE: 2,893 PN SUBSTANDARD: 730 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 432 E5-E6, (intended utilization), with a maximum utilization of 648.

CURRENT SITUATION: Unaccompanied enlisted personnel to be housed by this project currently live in twelve single-story temporary-type billets purchased in 1968. These relocatable buildings, which had a life expectancy of ten years, are now obsolete, have inadequate insulation, and poor heating systems which result in high utility costs, discomfort to occupants, and waste of energy. The installation is receiving 266 replacement enlisted personnel spaces in the FY 86 MCA program.

IMPACT IF NOT PROVIDED: If this project is not provided, the present costly and unsatisfactory living conditions will worsen to the detriment of troop health, morale, welfare, and accomplishment of mission. Maintenance and

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Humphreys, Korea		
4. PROJECT TITLE Barracks		5. PROJECT NUMBER 1112

utility costs will continue to escalate as these obsolete and inefficient structures waste limited resources.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a)	Date Design Started	JUL 85
(b)	Percent Complete As Of January 1986	42
(c)	Percent Complete As Of October 1986	100
(d)	Date Design Complete	APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e):

		($000)
(a)	Production of Plans and Specifications	67
(b)	All Other Design Costs	102
(c)	Total Cost	169
(d)	Contract	79
(e)	In-house	90

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Nimble, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1113	8.PROJECT COST ($000) Auth 1,950 Approp 1,950

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,624
Barracks	SF	35,516	45.73	(1,624)
Supporting Facilities				154
Electric Service	LS	-	-	(34)
Water, Sewer & Gas	LS	-	-	(14)
Paving, Walks, Curbs & Gutters	LS	-	-	(35)
Storm Drainage	LS	-	-	(8)
Site Improvement (11) Demolition (22)	LS	-	-	(33)
Communication	LS	-	-	(12)
Fuel Oil Storage	LS	-	-	(18)
Subtotal				1,778
Contingency (5.00%)				89
Total Contract Cost				1,867
Supervision, Inspection & Overhead (5.50%)				103
Total Request				1,970
Total Request (Rounded)				1,950
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks to include utilities, site work, parking, walks, fire protection, and communications. Heating and air conditioning by self-contained units. Demolish four (4) buildings (3,840 SF). Air conditioning: 72 tons.

11. REQUIREMENT: 216 PN ADEQUATE: None SUBSTANDARD: 216 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 147 E1-E4, 46 E5-E6, (intended utilization), with a maximum utilization of 216.

CURRENT SITUATION: Currently, soldiers are housed in inadequate, temporary facilities, which have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a livable condition. Many of these facilities have leaky walls, roofs and windows, and inadequate insulation, which results in excessive fuel consumption. Latrine and shower facilities are located in detached facilities, sometimes separated by several hundred feet from the living quarters. The substandard living conditions currently have a negative impact on the health, morale, and mission readiness of the soldiers.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to live in existing substandard housing facilities, which will

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Nimble, Korea		
4. PROJECT TITLE Barracks		5. PROJECT NUMBER 1113

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
adversely affect troop morale and have a negative impact on combat readiness and mission accomplishment. High maintenance and repair costs and excessive energy consumption will persist.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAY 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used VARIOUS KOREA

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 11
(b) All Other Design Costs 28
(c) Total Cost 39
(d) Contract 29
(e) In-house 10

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Greaves, Korea	4.PROJECT TITLE Physical Fitness Training Center

5.PROGRAM ELEMENT 22411A	6.CATEGORY CODE 740	7.PROJECT NUMBER 1114	8.PROJECT COST ($000) Auth 1,300 Approp 1,300

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,037
Physical Fitness Center	SF	14,361	71.30	(1,024)
Concrete Pile Foundation	LF	1,080	12.00	(13)
Supporting Facilities				157
Electric Service	LS	-	-	(30)
Water, Sewer & Gas	LS	-	-	(17)
Paving, Walks, Curbs & Gutters	LS	-	-	(6)
Storm Drainage	LS	-	-	(11)
Site Improvement (47) Demolition (30)	LS	-	-	(77)
Communication	LS	-	-	(6)
Fuel Oil Storage	LS	-	-	(10)
Subtotal				1,194
Contingency (5.00%)				60
Total Contract Cost				1,254
Supervision, Inspection & Overhead (5.50%)				69
Total Request				1,323
Total Request (Rounded)				1,300
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a semi-permanent physical fitness center to include all utilities, storm drainage, site improvements, walks, paving, parking, fire protection system and communication provisions. Self-contained heating system and mechanical ventilation will also be provided. Demolish four (4) buildings (14,126 SF). Mechanical ventilation: 70,000 CFM.

11. REQUIREMENT: 14,000 SF ADEQUATE: None SUBSTANDARD: 7,758 SF

PROJECT: Construct a physical fitness center.

REQUIREMENT: This project is required to provide adequate physical fitness facilities for U.S. soldiers stationed at Camps Greaves.

CURRENT SITUATION. No adequate facilities exist for the 850 soldiers stationed at Camp Greaves. The existing facility was built in 1958 and includes only an undersized basketball court, makeshift sauna room, and an undersized weight training room. The facility requires frequent maintenance & repair and consumes excesssive fuel during the winter months due to lack of insulation.

IMPACT IF NOT PROVIDED: Soldiers will continue to use cramped, inadequate indoor athletic facilities. High maintenance & repair costs and excessive fuel consumption will continue. The lack of adequate indoor athletic

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Greaves, Korea		
4.PROJECT TITLE Physical Fitness Training Center		5.PROJECT NUMBER 1114

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
facilities will adversely affect troop morale and impair combat readiness.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAY 85
(b) Percent Complete As Of January 1986 42
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAR 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 48
(b) All Other Design Costs 42
(c) Total Cost 90
(d) Contract 60
(e) In-house 30

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Stanley, Korea	4. PROJECT TITLE Dining Facility

5. PROGRAM ELEMENT 22411A	6. CATEGORY CODE 722	7. PROJECT NUMBER 1116	8. PROJECT COST ($000) Auth 2,250 Approp 2,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,852
Dining Facility	SF	17,404	105.49	(1,836)
Concrete Piles	LS	-	-	(16)
Supporting Facilities				199
Electric Service	LS	-	-	(65)
Water, Sewer & Gas	LS	-	-	(26)
Paving, Walks, Curbs & Gutters	LS	-	-	(24)
Storm Drainage	LS	-	-	(23)
Site Improvement (11) Demolition (29)	LS	-	-	(40)
Communication	LS	-	-	(7)
Fuel Oil Storage	LS	-	-	(14)
Subtotal				2,051
Contingency (5.00%)				103
Total Contract Cost				2,154
Supervision, Inspection & Overhead (5.50%)				118
Total Request				2,272
Total Request (Rounded)				2,250
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a dining facility to include all utilities, site improvements, paving, parking, walks, fire protection system and communications. Self-contained heating and air conditioning systems will be provided. Demolish two buildings (9,469 SF). Air conditioning: 86 tons.

11. REQUIREMENT: 1,950 PN ADEQUATE: None SUBSTANDARD: 1,695 PN

PROJECT: Construct an enlisted personnel dining facility.

REQUIREMENT: This project is required to provide modern food services for 651 to 1,000 enlisted personnel.

CURRENT SITUATION: The existing substandard temporary facility has outlasted its design life, requires structural repairs, and is in constant need of heating, electric and plumbing repairs. In addition, the kitchen is cramped and the food service equipment-in place-is obsolete and requires continuous repairs. The existing facility does not meet present standards for food service and is inefficient in operation. Soldiers are not provided with a quality environment in which to eat their meals.

IMPACT IF NOT PROVIDED: If this project is not provided, the present unsatisfactory conditions will continue, and will result in adverse effects on soldiers' health, inefficient operations, excessive energy usage, and high maintenance costs. This impacts heavily on morale of troops and seriously

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Stanley, Korea		
4.PROJECT TITLE Dining Facility		5.PROJECT NUMBER 1116

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
degrades the readiness posture.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 42
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used CAMP PELHAM

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 35
(b) All Other Design Costs 54
(c) Total Cost 89
(d) Contract 44
(e) In-house 45

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Laguardia, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 724	7.PROJECT NUMBER 1117	8.PROJECT COST ($000) Auth 2,650 Approp 2,650

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,076
Unaccompanied Officers Housing	SF	23,197	51.48	(1,194)
Barracks	SF	19,020	46.36	(882)
Supporting Facilities				324
Electric Service	LS	-	-	(88)
Water, Sewer & Gas	LS	-	-	(123)
Paving, Walks, Curbs & Gutters	LS	-	-	(18)
Storm Drainage	LS	-	-	(11)
Site Improvement (22) Demolition (21)	LS	-	-	(43)
Communication	LS	-	-	(23)
Fuel Storage	LS	-	-	(18)
Subtotal				2,400
Contingency (5.00%)				120
Total Contract Cost				2,520
Supervision, Inspection & Overhead (5.50%)				139
Total Request				2,659
Total Request (Rounded)				2,650
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct unaccompanied officers housing and a barrcks to include all utilities, site improvements, paving, walks, fire alarm/sprinkler systems, and communications. Heating and air conditioning will be by self-contained units. Demolish eight (8) temporary-type buildings (11,536 SF). Air conditioning: 87 tons.

11. REQUIREMENT: 247 PN ADEQUATE: None SUBSTANDARD: 146 PN

PROJECT: Construct unaccompanied officers housing and a barracks.

REQUIREMENT: This project is required to complete the replacement of all substandard housing with adequate unaccompanied enlisted and officer personnel housing at Camp LaGuardia. This project is required to provide adequate housing for 90 E1-E4, 16 E5-E6, (intended utilization), with a maximum utilization of 114, and 48 officers are also provided for with a maximum utilization of 48.

CURRENT SITUATION: Currently, the majority of soldiers at Camp LaGuardia are housed in inadequate, temporary facilities. The existing housing facilities have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a minimally livable condition. The lack of adequate insulation results in excessive fuel consumption. Latrine and shower facilities are located in detached buildings, often separated by

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Laguardia, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1117

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
several hundred feet from the living quarters. PN 986 in FY 85 will provide 96 enlisted personnel spaces with private bathrooms. The substandard living conditions currently have a negative impact on the health, morale and mission readiness of the soldiers of the 2nd Infantry Division.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to continue to live in existing substandard housing facilities. High maintenance and repair costs and excessive energy consumption will persist. These living conditions will continue to adversely affect troop morale and negatively impact combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	JUN 85
(b) Percent Complete As Of January 1986	42
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	JUN 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	37
(b) All Other Design Costs	72
(c) Total Cost	109
(d) Contract	49
(e) In-house	60

(4) Construction Start .... MAY 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION H220, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1119	8.PROJECT COST ($000) Auth 2,750 Approp 2,750

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,243
Barracks	SF	48,104	46.63	(2,243)
Supporting Facilities				253
Electric Service	LS	-	-	(59)
Water, Sewer & Gas	LS	-	-	(13)
Paving, Walks, Curbs & Gutters	LS	-	-	(10)
Storm Drainage	LS	-	-	(3)
Site Improvement (91) Demolition (52)	LS	-	-	(143)
Communication	LS	-	-	(11)
Fuel Oil Storage	LS	-	-	(14)
Subtotal				2,496
Contingency (5.00%)				125
Total Contract Cost				2,621
Supervision, Inspection & Overhead (5.50%)				144
Total Request				2,765
Total Request (Rounded)				2,750
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks to include all utilities, site improvements, paving, walks, fire detection/alarm systems, and communication provisions. Heating and air conditioning will be by self-contained units. Demolish six temporary-type buildings (13,206 SF). Air conditioning: 96 tons.

11. REQUIREMENT: 492 PN ADEQUATE: 144 PN SUBSTANDARD: 505 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 230 E1-E4, and 39 E5-E6, (intended utilization), with a maximum utilization of 288.

CURRENT SITUATION: Currently, the majority of soldiers at H-220 are housed in inadequate temporary facilities . The existing barracks have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a minimally livable condition. Many of these facilities have leaky walls, roofs and windows. In addition, the lack of adequate insulation results in excessive fuel consumption. Latrine and shower facilities are located in detached buildings, often separated by several hundred feet from the living quarters. The substandard living conditions currently have a negative impact on the health, morale, and mission readiness of the soldiers of the 2nd

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION H220, Korea		
4. PROJECT TITLE Barracks		5. PROJECT NUMBER 1119

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Infantry Division.

An FY 84 barracks project has provided 144 spaces (maximum utilization).

IMPACT IF NOT PROVIDED: If this project is not provided soldiers will be forced to continue to live in substandard housing facilities. High maintenance and repair costs and excessive energy consumption will persist. These living conditions will continue to adversely affect troop morale and negatively impact combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	MAY 85
(b) Percent Complete As Of January 1986	60
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	35
(b) All Other Design Costs	98
(c) Total Cost	133
(d) Contract	43
(e) In-house	90

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Casey, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22411A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1120	8.PROJECT COST ($000) Auth 15,500 Approp 15,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				12,176
Barracks	SF	106,548	45.14	(4,810)
Unaccompanied Officers Housing	SF	63,632	45.48	(2,894)
Unacc Officers Housing (3 Each)	SF	69,840	47.82	(3,340)
Unacc Officers Housing (1 Each)	SF	15,484	47.34	(733)
Unacc Officers Housing (1 Each)	SF	7,742	51.48	(399)
Supporting Facilities				1,691
Electric Service	LS	-	-	(469)
Water, Sewer & Gas	LS	-	-	(65)
Paving, Walks, Curbs & Gutters	LS	-	-	(150)
Storm Drainage	LS	-	-	(48)
Site Improvement (647) Demolition (242)	LS	-	-	(889)
Communication	LS	-	-	(66)
Underground Fuel Oil Stor Tanks	LS	-	-	(4)
Subtotal				13,867
Contingency (5.00%)				693
Total Contract Cost				14,560
Supervision, Inspection & Overhead (5.50%)				801
Total Request				15,361
Total Request (Rounded)				15,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks and unaccompanied officers housing with company administration and supply facilities. Supporting facilities include all utilities, site improvements, paving, parking, walks, fire alarm/sprinkler systems, and communications. Heating and air conditioning will be by self-contained systems. Demolish 55 Buildings (76,890 SF). Air Conditioning: 522 tons.

11. REQUIREMENT: 6,632 PN ADEQUATE: 2,887 PN SUBSTANDARD: 2,615 PN

PROJECT: Construct a barracks and unaccompanied officers housing, and company administration and supply facilities.

REQUIREMENT: This project is required to provide adequate housing for 972 E1-E4, intended utilization, with a maximum utilization of 972; 192 officers are also provided for with a maximum utilization of 192.

CURRENT SITUATION: Currently , the majority of soldiers at Camp Casey work and are housed in substandard quonset hut facilities erected in the mid-1950s. The existing facilities have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a minimally livable condition. Many of these facilities have leaky walls, roofs and windows. In addition, the lack of adequate insulation results in excessive fuel consumption. Latrine and shower facilities are located in detached buildings, often

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Casey, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1120

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

separated by several hundred feet from the living quarters. The company administration functions are conducted out of many small dispersed facilities which reduce operational efficiency. PN 704 in FY 81 provided 336 enlisted personnel spaces (maximum) and 48 officers' quarters in pre-engineered buildings with gang latrines. In FY 85 , 720 enlisted personnel spaces and 64 officers' quarters were provided. A project in FY 86 will provide 288 enlisted personnel spaces and 16 officers' quarters in similar construction. The substandard living conditions have a negative impact on the health, morale, and mission readiness of the soldiers assigned to the 2d Infantry Division.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will continue to live and work in existing substandard facilities. High maintenance and repair costs and excessive energy consumption will persist. These living and working conditions will continue to adversely affect troop morale and negatively impact upon combat readiness and mission accomplishment.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 220
(b) All Other Design Costs 335
(c) Total Cost 555
(d) Contract 255
(e) In-house 300

(4) Construction Start .... APR 87
month & year

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Casey, Korea		
4. PROJECT TITLE Barracks		5. PROJECT NUMBER 1120

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Camp Casey, Korea	4.PROJECT TITLE Tactical Equipment Shop Mod/Addn

5.PROGRAM ELEMENT 22411A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1121	8.PROJECT COST ($000) Auth 3,400 Approp 3,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,630
Building Upgrades	SF	25,168	28.30	(712)
Building Additions	SF	18,696	51.00	(953)
Tactical Maintenance Facility	SF	4,105	94.87	(389)
Grease Rack	EA	1	11,907	(12)
Wash Platform	EA	1	14,639	(15)
See Cost Estimates (Continued)				(549)
Supporting Facilities				460
Electric Service	LS	-	-	(69)
Water, Sewer & Gas	LS	-	-	(55)
Paving, Walks, Curbs & Gutters	LS	-	-	(26)
Storm Drainage	LS	-	-	(33)
Site Improvement (139) Demolition (33)	LS	-	-	(172)
Communication	LS	-	-	(17)
Fuel Oil Storage	LS	-	-	(88)
Subtotal				3,090
Contingency (5.00%)				155
Total Contract Cost				3,245
Supervision, Inspection & Overhead (5.50%)				178
Total Request				3,423
Total Request (Rounded)				3,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Alter, upgrade and construct additions to the tactical equipment maintenance facilities and construct a new tactical equipment maintenance facility including scheduled maintenance facilities and auxiliary operational facilities. Work includes utilities, hardstand, 7-1/2 ton cranes, site improvements, fire protection, exhaust removal, storm drainage, walks, fencing, exterior lighting and communications. Heating with self-contained system, and ventilation will be provided. Demolish eleven (11) temporary buildings (23,735 SF). Mechanical ventilation: 50,000 CFM

11. REQUIREMENT: 176,046 SF ADEQUATE: 48,358 SF SUBSTANDARD: 72,782 SF

PROJECT: Alter, upgrade and construct additions to the vehicle maintenance facilities and construct a new vehicle maintenance facility.

REQUIREMENT: This project is required to upgrade the existing undersized facilities and to provide additional maintenance bays (large) and additional shop space for the 1st and 2nd Battalions, 72nd Armor. In addition, a new tactical maintenance facility for HHC, 1st Brigade is required to replace the existing substandard and deteriorated maintenance facility.

CURRENT SITUATION: Buildings currently being used are identical and contain only small bays which reduce the efficiency of maintenance operations and provide insufficient working area for maintaining wide vehicles such as the

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Casey, Korea		
4.PROJECT TITLE Tactical Equipment Shop Mod/Addn		5.PROJECT NUMBER 1121

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
POL Storage Bldg (121 SF)	SF	121	40.33	5
Deployment Storage Bldg	SF	1,400	18.83	26
Gate House	SF	79	111.19	9
Hardstand	SY	10,950	29.50	323
Maintenance Platform	EA	1	165,919	166
Pump House	SY	121	161.32	20
			Total	549

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

M-60 tank. The HHC, 1st Brigade presently maintains its vehicles in a temporary corrugated sheet metal structure erected in 1956. This building is undersized, substandard and deteriorated, and hampers the effectiveness and efficiency of maintenance operations.

IMPACT IF NOT PROVIDED: If this project is not provided, units will be forced to continue maintaining all of their vehicles in undersized, substandard and deteriorated facilities. Unsatisfactory conditions will persist with adverse impact on the effectiveness and efficiency of maintenance operations.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUL 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 118

(b) All Other Design Costs 82

(c) Total Cost 200

(d) Contract 135

(e) In-house 65

(4) Construction Start .... APR 87
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Casey, Korea		
4.PROJECT TITLE Tactical Equipment Shop Mod/Addn		5.PROJECT NUMBER 1121

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Red Cloud, Korea	4. PROJECT TITLE Tactical Equipment Shop

5. PROGRAM ELEMENT 22496A	6. CATEGORY CODE 214	7. PROJECT NUMBER 1123	8. PROJECT COST ($000) Auth 2,300 Approp 2,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,665
Tactical Equipment Shop	SF	19,080	59.80	(1,141)
Pile Foundation	LS	-	-	(14)
Wash Platform (4 Vehicles)	LS	-	-	(12)
Hardstand	SY	20,700	24.07	(498)
Supporting Facilities				406
Electric Service	LS	-	-	(51)
Water, Sewer & Gas	LS	-	-	(39)
Paving, Walks, Curbs & Gutters	LS	-	-	(33)
Storm Drainage	LS	-	-	(46)
Site Improvement (129) Demolition (90)	LS	-	-	(219)
Communication	LS	-	-	(6)
Fuel Oil Storage	LS	-	-	(12)
Subtotal				2,071
Contingency (5.00%)				104
Total Contract Cost				2,175
Supervision, Inspection & Overhead (5.50%)				120
Total Request				2,295
Total Request (Rounded)				2,300
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a tactical equipment shop to include a wash platform, an interior inspection bay, tire repair bay, front end alignment bay, steam clean stall, work bays, overhead hoists, break room, shower and locker room, office space for maintenance and motor pool personnel, tool and parts storage, battery service shop, radiator repair shop, welding and paint shops, utilities, paving, communications, fire protection, exhaust removal, fuel oil storage and site improvements. A self contained oil fired heating system, and mechanical ventilation will be provided. Demolish seven (7) buildings (12,886 SF). Mechanical ventilation: 38,000 CFM

11. REQUIREMENT: 19,165 SF ADEQUATE: None SUBSTANDARD: 15,430 SF

PROJECT: Construct a tactical equipment shop.

REQUIREMENT: This project is required to provide an adequate organizational vehicle maintenance facility for 357 vehicles and 12 mechanics. Adequate facilities are not available to support the maintenance mission.

CURRENT SITUATION: The existing temporary facilities were constructed between 1955 and 1958 and are in a deteriorated condition. The roofs and walls are constructed of corrugated sheet metal and leak badly during inclement weather. Heating energy is wasted due to the lack of weather tight doors and windows, deteriorated or non-existent insulation and damaged

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Red Cloud, Korea		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1123

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
exterior siding. There are no shower facilities nor hot water and the deteriorated latrine facilities are undersized. There are no work bays within the existing facility that will allow maintenance on longer vehicles. If a longer vehicle such as a bus or cargo truck is having maintenance performed, the doors cannot be closed because of the length of the vehicle. This requires much work to be accomplished outside in the extreme heat, cold, rain and snow. Numerous other deficiencies make the existing operations inefficient, uneconomical and incomparable to maintenance performed in modern facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, present unsatisfactory conditions will persist with continued adverse impact on the mission, excessive energy usage and high facility maintenance costs.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAR 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 103
(b) All Other Design Costs 96
(c) Total Cost 199
(d) Contract 118
(e) In-house 81

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Pusan, Korea	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22496A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1125	8.PROJECT COST ($000) Auth 1,500 Approp 1,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,186
Barracks	SF	24,052	46.40	(1,116)
Foundation Piles	LF	7,560	9.26	(70)
Supporting Facilities				189
Electric Service	LS	-	-	(47)
Water, Sewer & Gas	LS	-	-	(51)
Paving, Walks, Curbs & Gutters	LS	-	-	(7)
Storm Drainage	LS	-	-	(5)
Site Improvement (28) Demolition (28)	LS	-	-	(56)
Communication	LS	-	-	(6)
Fuel Oil Storage	LS	-	-	(17)
Subtotal				1,375
Contingency (5.00%)				69
Total Contract Cost				1,444
Supervision, Inspection & Overhead (5.50%)				79
Total Request				1,523
Total Request (Rounded)				1,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks complete with foundation piling, utility services, fire protection and alarm system, paving, storm drains, communications and other site work. Self-contained oil-fired heating and air conditioning system will be provided. Demolish twelve (12) buildings (20,629 SF). Air conditioning: 48 tons.

11. REQUIREMENT: 104 PN ADEQUATE: None SUBSTANDARD: 66 PN

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide housing for 56 E1-E4, 37 E5-E6, and 11 E7-E9 (intended utilization), with a maximum utilization of 144.

CURRENT SITUATION: Presently, enlisted personnel are housed in nine quonset huts erected during the Korean War (1953) or in poorly constructed buildings erected for the Japanese Army during World War II. Foundations of these buildings are non-existent or of the spread footing type, which are inadequate due to the 70 feet of highly plastic clay which lies beneath them. The result has been extreme differential settlement in some cases and tilting of entire floor slabs in others. This factor, when combined with the corrosion, dry rot and termite damage to basic structural members, makes it impractical to adequately repair the buildings and impossible to maintain them without costly expenditures. Further renovation is economically impractical.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Pusan, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1125

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to continue living in substandard housing which is in a state of rapid deterioration. High maintenance and repair costs and excessive fuel consumption will persist. These living conditions will have an adverse impact on troop morale and mission accomplishment.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 24

(b) All Other Design Costs 77

(c) Total Cost 101

(d) Contract 41

(e) In-house 60

(4) Construction Start .... FEB 88
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Pusan, Korea	4. PROJECT TITLE Barracks

5. PROGRAM ELEMENT 22496A	6. CATEGORY CODE 721	7. PROJECT NUMBER 1126	8. PROJECT COST ($000) Auth 5,900 Approp 5,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,838
Barracks	SF	80,891	43.37	(3,509)
Company Administration & Supply	SF	9,600	48.80	(468)
Central Heat Plant	LS	-	-	(185)
Chilled Water System	LS	-	-	(383)
Utility Plant	LS	-	-	(293)
Supporting Facilities				481
Electric Service	LS	-	-	(114)
Water, Sewer & Gas	LS	-	-	(56)
Paving, Walks, Curbs & Gutters	LS	-	-	(40)
Storm Drainage	LS	-	-	(22)
Site Improvement (128) Demolition (73)	LS	-	-	(201)
Communication	LS	-	-	(8)
Fuel Oil Storage	LS	-	-	(40)
Subtotal				5,319
Contingency (5.00%)				266
Total Contract Cost				5,585
Supervision, Inspection & Overhead (5.50%)				307
Total Request				5,892
Total Request (Rounded)				5,900
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct two (2) barracks and company administration and storage facilities with all utilities, paving, parking, site work, fire protection, storm drainage, and communications. Project includes a central heating and air conditioning plant and distribution lines. Demolish 49 buildings (49,513 SF). Air conditioning: 173 tons.

11. REQUIREMENT: 588 PN ADEQUATE: 124 PN SUBSTANDARD: 436 PN

PROJECT: Construct two (2) barracks and company administration and supply facilities.

REQUIREMENT: This project is required to provide adequate housing for 196 E1-E4, 193 E5-E6 (intended utilization), with a maximum utilization of 486.

CURRENT SITUATION: A majority of the soldiers are housed in quonset huts constructed during the Korean conflict. They lack proper insulation which results in excessive heat loss in the winter. Frequent maintenance and repairs are required to keep these quonsets in usable condition and to meet minimum building and safety codes. This new housing will complete replacement of all substandard enlisted personnel housing units.

IMPACT IF NOT PROVIDED: If this project is not provided, unaccompanied personnel assigned to duties in the Pusan area will continue to be housed in deteriorated quonset huts with high maintenance and operations costs. The

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Pusan, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1126

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

high energy losses and associated costs will continue to escalate. The morale and combat readiness of the soldiers will be severely impacted.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAY 85

(b) Percent Complete As Of January 1986 60

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 67

(b) All Other Design Costs 163

(c) Total Cost 230

(d) Contract 90

(e) In-house 140

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Pelham, Korea	4. PROJECT TITLE Tactical Equipment Shop

5. PROGRAM ELEMENT 22411A	6. CATEGORY CODE 214	7. PROJECT NUMBER 1154	8. PROJECT COST ($000) Auth 1,300 Approp 1,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				971
Tactical Equipment Shop	SF	10,219	64.56	(660)
Wash Platform	EA	1	13,778	(14)
Pump House	LS	-	-	(36)
Fuel Dispensing Sta.	LS	-	-	(56)
Fuel Control Office (80 SF)	LS	-	-	(5)
See Cost Estimates (Continued)				(200)
Supporting Facilities				203
Electric Service	LS	-	-	(73)
Water, Sewer & Gas	LS	-	-	(52)
Paving, Walks, Curbs & Gutters	LS	-	-	(16)
Storm Drainage	LS	-	-	(1)
Site Improvement (23) Demolition (8)	LS	-	-	(31)
Communication	LS	-	-	(7)
Fuel Oil Storage	LS	-	-	(23)
Subtotal				1,174
Contingency (5.00%)				59
Total Contract Cost				1,233
Supervision, Inspection & Overhead (5.50%)				68
Total Request				1,301
Total Request (Rounded)				1,300
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a tactical equipment maintenance facility and auxiliary operational facilities. Work includes utilities, hardstand, site improvements, exhaust removal, communications and fire protection. Self-contained heating and ventilation will be provided. Demolish three (3) existing buildings (3,215 SF). Mechanical ventilation: 20,000 CFM.

11. REQUIREMENT: 29,048 SF ADEQUATE: 13,609 SF SUBSTANDARD: 9,941 SF

PROJECT: Construct a tactical equipment maintenance facility.

REQUIREMENT: This project is required to replace existing outdated, substandard and deteriorated maintenance facilities with adequate facilities.

CURRENT SITUATION: Currently there is only one (1) maintenance facility that contains 6 small bays that cannot effectively accommodate the large vehicles (medium towed howitzers) and the balance of 238 vehicles authorized. The balance of the maintenance facilities utilized are substandard temporary buildings.

IMPACT IF NOT PROVIDED: If this project is not provided, this unit will be forced to continue maintaining the great majority of their vehicles in substandard and grossly deteriorated facilities. Unsatisfactory conditions will persist with adverse impact on the effectiveness and efficiency of

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Pelham, Korea		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1154

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
POL Storage Building	LS	-	-	11
Deployment Storage Bldg	SF	2,048	20.44	42
Hardstand	SY	8,181	13.96	114
Grease Racks (2 EA)	LS	-	-	33
			Total	200

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)
maintenance operations.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUL 85

(b) Percent Complete As Of January 1986 42

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 67

(b) All Other Design Costs 45

(c) Total Cost 112

(d) Contract 80

(e) In-house 32

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Second Infantry, Korea	4.PROJECT TITLE Organizational Maintenance Shop

5.PROGRAM ELEMENT 22411A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1169	8.PROJECT COST ($000) Auth 2,350 Approp 2,350

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,285
Tactical Equipment Shop	SF	18,549	60.32	(1,119)
Wash Platform	LS	-	-	(18)
Fuel Dispensing Facility	LS	-	-	(54)
POL Storage Building	SF	288	67.10	(19)
Sentry Station	LS	-	-	(12)
See Cost Estimates (Continued)				(63)
Supporting Facilities				824
Electric Service	LS	-	-	(106)
Water, Sewer & Gas	LS	-	-	(44)
Paving, Walks, Curbs & Gutters	LS	-	-	(559)
Storm Drainage	LS	-	-	(40)
Site Improvement (49) Demolition (19)	LS	-	-	(68)
Communication	LS		-	(7)
Subtotal				2,109
Contingency (5.00%)				105
Total Contract Cost				2,214
Supervision, Inspection & Overhead (5.50%)				122
Total Request				2,336
Total Request (Rounded)				2,350
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction. Construct a tactical equipment maintenance facility and auxiliary operational facilities. Work includes utilities, hardstand, 7-1/2 ton cranes, site improvements, storm drainage, exterior lighting, fencing, exhaust removal, fire protection and communications. Self-contained heating and ventilation will be provided. Demolish four (4) existing buildings (19,926 SF). Mechanical ventilation: 37,000 CFM.

11. REQUIREMENT: 18,560 SF ADEQUATE: None SUBSTANDARD: 6,384 SF

PROJECT: Construct a tactical equipment maintenance facility.

REQUIREMENT: This project is required to replace the existing undersized, substandard and deteriorated maintenance facility with new facilities.

CURRENT SITUATION: The building currently being used was constructed in 1969. This building is undersized, substandard, deteriorated and totally inadequate to meet the units' maintenance requirements.

IMPACT IF NOT PROVIDED: If this project is not provided, the above units will be forced to continue maintaining all of their vehicles in an undersized, substandard and grossly deteriorated facility. Unsatisfactory conditions will persist with adverse impact on the effectiveness and efficiency of maintenance operations.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Second Infantry, Korea		
4.PROJECT TITLE Organizational Maintenance Shop		5.PROJECT NUMBER 1169

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Deployment Storage Building	LS	-	-	46
Piling Work	EA	68	254.05	17
			Total	63

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... AUG 85
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUN 85

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 97
(b) All Other Design Costs 89
(c) Total Cost 186
(d) Contract 126
(e) In-house 60

(4) Construction Start .... JUN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Jackson, Korea	4. PROJECT TITLE Barracks

5. PROGRAM ELEMENT 22496A	6. CATEGORY CODE 721	7. PROJECT NUMBER 1176	8. PROJECT COST ($000) Auth 1,800 Approp 1,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,436
Barracks	SF	31,816	45.14	(1,436)
Supporting Facilities				211
Electric Service	LS	-	-	(43)
Water, Sewer & Gas	LS	-	-	(44)
Paving, Walks, Curbs & Gutters	LS	-	-	(28)
Storm Drainage	LS	-	-	(24)
Site Improvement	LS	-	-	(51)
Communication	LS	-	-	(11)
Fuel Storage Tank	LS	-	-	(10)
Subtotal				1,647
Contingency (5.00%)				82
Total Contract Cost				1,729
Supervision, Inspection & Overhead (5.50%)				95
Total Request				1,824
Total Request (Rounded)				1,800
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a barracks and company administration and supply facilities to include all utilities, site work, paving, parking, walks, fire protection, and communications. Heating and air conditioning will be by self-contained units. Demolish five (5) buildings (9,912 SF). Air conditioning: 59 tons.

11. REQUIREMENT: 345 PN ADEQUATE: None SUBSTANDARD: 214 PN

PROJECT: Construct a barracks with company administration and supply facilities.

REQUIREMENT: This project is required to provide adequate housing for 2 E1-E4, 50 E5-E6, 28 E7-E9 (intended utilization), with a maximum utilization of 161.

CURRENT SITUATION: Currently, the majority of soldiers at Camp Jackson are housed in inadequate, temporary facilities. The existing housing facilities have deteriorated to a point requiring frequent and costly maintenance and repair to keep them in a minimally livable condition. The lack of adequate insulation results in excessive fuel consumption. Latrine and shower facilities are several hundred feet from the living quarters. These substandard living conditions currently have an adverse impact on the health, morale and mission readiness of these soldiers.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Jackson, Korea		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 1176

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be forced to continue to live in substandard facilities. High maintenance and repair costs and excessive energy consumption will persist. These conditions will continue to adversely affect troop morale and negatively impact upon the mission of the installation.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUN 85
(b) Percent Complete As Of January 1986 42
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Various, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 21
(b) All Other Design Costs 71
(c) Total Cost 92
(d) Contract 32
(e) In-house 60

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Red Cloud, Korea	4. PROJECT TITLE Dining Facility

5. PROGRAM ELEMENT 22411A	6. CATEGORY CODE 722	7. PROJECT NUMBER 1177	8. PROJECT COST ($000) Auth 2,250 Approp 2,250

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,891
Dining Facility	SF	17,404	108.68	(1,891)
Supporting Facilities				156
Electric Service	LS	-	-	(63)
Water, Sewer & Gas	LS	-	-	(13)
Paving, Walks, Curbs & Cutters	LS	-	-	(23)
Site Improvement	LS	-	-	(38)
Communication	LS	-	-	(8)
Fuel Oil Tank	LS	-	-	(11)
Subtotal				2,047
Contingency (5.00%)				102
Total Contract Cost				2,149
Supervision, Inspection & Overhead (5.50%)				118
Total Request				2,267
Total Request (Rounded)				2,250
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a dining facility to include all utilities, site improvements, paving, parking, walks, fire protection system, and communication provisions. Self-contained heating and air conditioning systems will be provided. Demolish six (6) buildings (12,128 SF). Air conditioning: 100 tons.

11. REQUIREMENT: 920 PN ADEQUATE: None SUBSTANDARD: 370 PN

PROJECT: Construct an enlisted personnel dining facility.

REQUIREMENT: This project is required to provide modern food services for 651 to 1,000 enlisted personnel.

CURRENT SITUATION: The current consolidated dining facility cannot effectively handle the enlisted personnel being stationed at Camp Red Cloud. The existing facility has deteriorated to the point of requiring constant repairs of heating, electric, and plumbing systems. Frequent repair of food service equipment-in-place is also required. The existing facility cannot be expanded without extensive renovation costs. The installation presently issues separate rations to approximately 300 enlisted personnel due to the limited dining accommodations.

IMPACT IF NOT PROVIDED: If this project is not provided, the already crowded dining conditions will continue as will the issuance of separate

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Camp Red Cloud, Korea		
4.PROJECT TITLE Dining Facility		5.PROJECT NUMBER 1177

rations. This impacts heavily on morale of soldiers and seriously degrades the readiness posture.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAY 85

(b) Percent Complete As Of January 1986 42

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes X No ___

(b) Where Design Was Most Recently Used Camp Pelham, Korea

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 34

(b) All Other Design Costs 70

(c) Total Cost 104

(d) Contract 44

(e) In-house 60

(4) Construction Start .... MAY 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		
		TOTAL	None

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Camp Casey, Korea	4. PROJECT TITLE Tank Range

5. PROGRAM ELEMENT 22411A	6. CATEGORY CODE 179	7. PROJECT NUMBER 1178	8. PROJECT COST ($000) Auth 1,950 Approp 1,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				927
Control Tower (250 SF)	EA	1	54,000	(54)
Maint/Mess/Latrine Facility	SF	2,270	79.84	(181)
Ammo Breakdown Bldg	SF	120	91.67	(11)
Security Gate House	SF	69	162.50	(11)
Bleacher	EA	1	18,000	(18)
See Cost Estimates (Continued)				(652)
Supporting Facilities				848
Electric Service	LS	-	-	(78)
Water, Sewer & Gas	LS	-	-	(14)
Paving, Walks, Curbs & Gutters	LS	-	-	(54)
Storm Drainage	LS	-	-	(104)
Site Improvement	LS	-	-	(531)
Communication	LS	-	-	(64)
Fuel Oil Storage	LS	-	-	(3)
Subtotal				1,775
Contingency (5.00%)				89
Total Contract Cost				1,864
Supervision, Inspection & Overhead (5.50%)				103
Total Request				1,967
Total Request (Rounded)				1,950
Installed Equipment - Other Appropriations				(1,200)

10. Description of Proposed Construction Construct a tank gunnery range consisting of firing lanes, range control tower, field mess facility, latrine, maintenance/storage building, ammunition breakdown building, bleachers, security gate house, earth berms, public address system, flagpoles and targetry emplacements. Supporting facilities will include all utilities, paving, parking, walks, storm drainage, site improvements, fencing, guardrails and communication provisions. Self-contained heating and fire protection systems will also be provided for appropriate facilities. Air conditioning: 1 ton (control tower).

11. REQUIREMENT: 1 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a tank sub-caliber gunnery range.

REQUIREMENT: This project is required to provide the capability to exercise all tank fire control systems, including the laser range finders on the M60A3 tanks. It will also be used for subcaliber exercises for individual tank crew and platoon training.

CURRENT SITUATION: There are no existing or substandard ranges which can be upgraded to meet the prescribed training requirements.

IMPACT IF NOT PROVIDED: If this project is not provided, this command will not have any range facility upon which to conduct this prescribed tank gunnery

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Casey, Korea		
4. PROJECT TITLE Tank Range		5. PROJECT NUMBER 1178

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Earth Berm	LF	2,274	64.61	147
Public Address System	LS	-	-	5
Flagpole	LS	-	-	5
Target Emplacement	LS	-	-	56
Tank Shed	SF	8,448	14.44	122
Tank Turning Apron	SY	2,053	32.00	66
Vehicle Loading Area	SY	7,125	21.85	156
Power Data & Distribution	LS	-	-	95
			Total	652

training. Futhermore, it would cause this command to be unable to meet its established training responsibilities.

ADDITIONAL: The appropriation request in Block 8 reflects a cost based on awarding a single construction contract for this project with project number at Camp Casey, Korea.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAY 85

(b) Percent Complete As Of January 1986 90

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JAN 86

(2) Basis:

(a) Standard or Definitive Design Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 77

(b) All Other Design Costs 53

(c) Total Cost 130

(d) Contract 99

(e) In-house 31

(4) Construction Start .... APR 87
month & year

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Camp Casey, Korea		
4. PROJECT TITLE Tank Range		5. PROJECT NUMBER 1178

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Target Mechanisms	DARRT	87	1200
		TOTAL	1,200

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
USAREUR

INSTALLATION PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Europe and Seventh Army					
Germany Various					483
		Ansbach			
1340	Child Development Center	(SEE $1.0 M)	930	930	723
2152	Ammunition Storage	(SEE $1.0 M)	860	860	724
		Aschaffenburg			
1386	Tactical Equipment Shop		3,350	3,350	546
2010	Hardstand		3,650	3,650	591
		Bad Kreuznach			
1331	Child Development Center	(SEE $1.0 M)	900	900	722
1375	Facility Modernization		10,200	10,200	532
		Bamberg			
1387	Facility Modernization		18,000	18,000	548
		Baumholder			
1169	Sewer/POL Separator	(SEE POLLUTION)	2,050	2,050	700
1332	Command and Control Building		10,000	10,000	513
1382	Child Development Center		2,000	2,000	540
1423	Facility Modernization Phase IV		12,400	12,400	556
2106	Ammunition Storage		4,400	4,400	597
		Bitburg			
1335	Tactical Site Facilities	(SEE $1.0 M)	520	520	722
1336	Tactical Equipment Shop		1,200	1,200	515
1337	Barracks		13,800	13,800	517
1348	Dining Facility		1,850	1,850	519
1349	Heating Plant		2,550	2,550	521
		Einsiedlerhof			
1582	Training Exercise Facility		4,750	4,750	584
		Frankfurt			
1355	Crime Laboratory Modernization/Addition		3,500	3,500	529
		Fulda			
269	Child Development Center	(SEE $1.0 M)	1,000	1,000	719
		Giessen			
1424	Facility Modernization		16,000	16,000	559
1428	Facility Modernization Phase III	(SEE $1.0 M)	970	970	724
1475	Dining Facility		2,100	2,100	564
2186	Fuel Station		3,500	3,500	603
		Goeppingen			
1575	Site Support Upgrade		1,850	1,850	572

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
USAREUR

INSTALLATION

PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
	US Army Europe and Seventh Army (Cont.)				
	Germany Various (Cont.)				483
		Hanau			
1127	Tactical Equipment Shop		0	3,700	501
1160	Child Development Center		1,850	1,850	504
1350	Facility Modernization		11,000	11,000	523
1385	Hardstand		2,500	2,500	543
1543	Flight Simulator Building Addition		3,700	3,700	568
2132	Aircraft Maintenance Hangar		7,100	7,100	600
		Heidelberg			
1451	Child Development Center		1,600	1,600	562
2296	Operations Building		0	1,800	614
		Heilbronn			
1309	Barracks		2,100	2,100	511
		Hohenfels			
391	Military Operations on Urbanized Terrain		0	2,800	492
1399	Combat Maneuver Training Complex		8,800	8,800	551
		Kaiserslautern			
1293	Petroleum Laboratory		1,400	1,400	508
		Karlsruhe			
846	Facility Modernization		10,000	10,000	494
2241	Tactical Equipment Shop		0	1,830	609
		Mannheim			
1353	Range Complex		2,450	2,450	526
		Neu Ulm			
1576	Site Support Upgrade		2,850	2,850	575
1577	Site Support Upgrade		19,000	19,000	578
2088	Tactical Equipment Shop		4,200	4,200	594
		Nuernberg			
1381	Barracks		5,500	5,500	538
		Rheinberg			
1133	Child Development Center	(SEE $1.0 M)	930	930	720
1229	Physical Fitness Training Center		4,900	4,900	506
2297	Barracks with Dining		14,800	14,800	616
2298	Communications Center Conversion	(SEE $1.0 M)	400	400	725
2299	Automated Data Processing Facility	(SEE $1.0 M)	680	680	725
2301	Logistical Supply Facility		6,700	6,700	618
2303	Administrative Space Alterations		7,200	7,200	630
		Schweinfurt			
34	Facility Modernization		16,000	16,000	489
1322	Child Development Center	(SEE $1.0 M)	900	900	721

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
USAREUR

INSTALLATION	PN	PROJECT TITLE			AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Europe and Seventh Army (Cont.)							
Germany Various (Cont.)			Schweinfurt				483
	1378	Facility Modernization Phase IV			8,500	8,500	535
	2288	Tactical Equipment Shop			13,600	13,600	611
			Stuttgart				
	1247	Sewer System Upgrade	(SEE $1.0 M)		820	820	720
			Various				
	1552	Maintenance Training Facility			1,850	1,850	570
	1579	Wartime Host Nation Support			17,500	17,500	581
	1583	Site Security Enhancements			17,000	17,000	586
			Vilseck				
	1090	Commissary Sales Store			7,300	7,300	497
	1093	Unaccompanied Officers Housing			4,050	4,050	499
	1356	Relocate Ammunition Area	(SEE $1.0 M)		920	920	723
	1400	Chapel/Religious Education Facility			3,450	3,450	554
	1476	Exchange Shopping Center			8,000	8,000	566
	2236	Post Office			1,300	1,300	605
	2238	Provost Marshal Facility			1,800	1,800	607
	2305	Utilities			36,000	36,000	623
	2306	Barracks			6,800	6,800	625
			Wildflecken				
	1592	Vehicle Wash Facility			3,800	3,800	588
			Wuerzburg				
	1313	Child Development Center	(SEE $1.0 M)		1,000	1,000	721
		SUBTOTAL FOR Germany Various		$	392,580	402,680	
Greece Various							627
			Drama Remote Site				
	19	Operations Building Modernization	(SEE $1.0 M)		730	730	726
			Katsimidhi Site				
	13	Operations Building	(SEE $1.0 M)		560	560	726
		SUBTOTAL FOR Greece Various		$	1,290	1,290	
Italy Various							629
			Zelo				
	166	Barracks	(SEE $1.0 M)		610	610	727

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
USAREUR

INSTALLATION PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Europe and Seventh Army (Cont.)					
Italy Various (Cont.)	Zelo				629
	SUBTOTAL FOR Italy Various	$	610	610	
	*TOTAL US Army Europe and Seventh Army	$	394,480	404,580	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Germany Various Germany	4. COMMAND US ARMY EUROPE AND SEVENTH ARMY	5. AREA CONSTRUCTION COST INDEX 1.17

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	402,680
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	458,790
F. PLANNED IN NEXT THREE YEARS	2,113,819
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	2,975,289

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	34	FAC MOD PH3 SCHWEINFURT	16,000	06/85	10/86
179	391	MOUT RANGE HOHENFELS	2,800	09/84	01/86
214	846	FAC MOD NEUREUT	10,000	05/85	10/86
740	1090	COMMISSARY SALES VILSECK	7,300	07/85	10/86
724	1093	BOQ VILSECK	4,050	04/85	09/86
214	1127	TACT EQUIP SHOP HANAU	3,700	07/84	01/86
740	1160	CHILD CARE CENTER HANAU	1,850	04/85	04/86
831	1169	SEWER/POLSEP BAUMHOLDER	2,050	11/84	06/86
740	1229	PHYS FIT TRNG CTR RHEINB	4,900	04/85	01/87
310	1293	PETRO LAB ADDN KAISERSLA	1,400	05/85	07/86
721	1309	BARRACKS SIEGELSBACH	2,100	05/85	06/86
131	1332	WWMCCSDPCE BLDG BAUM	10,000	03/85	12/86
721	1337	BARRACKS W/OPS BITBURG	13,800	04/85	09/86
214	1336	TACT EQUIP SHOP BITBURG	1,200	04/85	09/86
214	1350	FAC MOD PH3 HANAU	11,000	07/85	10/86
821	1349	HEAT PLANT BITBURG	2,550	04/85	09/86
722	1348	DINING FACILITY BITBURG	1,850	04/85	09/86
141	1355	USACIL MOD/ADDN FRANKFURT	3,500	04/85	03/87
179	1353	RANGE COMPLEX LAMPER	2,450	08/85	02/87
214	1375	FAC MOD ANDERSON	10,200	05/85	11/86
214	1378	FAC MOD PH IV CONN	8,500	06/85	09/86
740	1382	CHILD CARE CTR SMITH BKS	2,000	06/85	08/86
721	1381	BARRACKS NUERNBERG	5,500	06/85	07/86
214	1387	FAC MOD BAMBERG	18,000	05/85	12/86
214	1386	MAINT FAC ASCHAFFNBRG	3,350	05/85	08/86
852	1385	HARDSTAND ORG HANAU	2,500	07/85	08/86
171	1399	CMBT MNVER TRNG COMPLEX	8,800	04/85	06/86
730	1400	CHAPEL/REL FAC VILSECK	3,450	04/85	11/86
214	1423	FAC MOD PHIV SMITH BKS	12,400	05/85	08/86
214	1424	FAC MOD GSN RECY BKS	16,000	05/85	07/86
740	1451	CHILD CARE CENTER	1,600	06/85	11/86

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Germany Various Germany

8. PROJECTS REQUESTED IN THIS PROGRAM (CONTINUE)

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
852	2010	HARDSTAND FIORI	3,650	05/85	05/86
214	2088	TACT EQUIP SHOP WILEY	4,200	12/84	07/86
421	2106	AMMO IGLOOS ASP 4 BAUMHLDR	4,400	03/85	10/86
211	2132	ACFT MAINT HANGAR BUDINGEN	7,100	01/85	08/86
123	2186	FUEL STATION KIRCHGOENS	2,500	10/84	07/86
730	2236	POST OFFICE VILSECK	1,300	05/85	11/86
214	2241	TACT EQUIP SHOP GERMSH	1,800	05/84	10/85
730	2238	POLICE STATION VILSECK	1,800	04/85	11/36
214	2288	TACT EQUIP SHOP CONN BKS	13,600	07/84	08/86
721	2297	BARRACKS W/DIN RHEINBERG	14,800	04/85	02/87
141	2296	OPNS BLDG TOPO SCHWITGEN	1,800	05/84	10/85
214	2301	TACT EQUIP SHP	6,700	04/85	05/87
721	2306	BARRACKS W/OPS VILSECK	6,800	05/85	11/86
890	2305	UTILITY PACKAGE VILSECK	36,000	05/85	J1/87
610	2303	ADMIN SPACE ALTRN RHNBRG	7,200	04/85	01/87
740	1476	EXCHANGE MAIN RETAIL	8,000	07/85	10/86
722	1475	DINING FACILITY GIESSEN	2,100	07/85	09/86
171	1543	FLIGHT SIMUL BLDG HANAU	3,700	10/85	10/86
171	1552	MAINT TRNG FAC VARIOUS	1,850	07/85	05/86
141	1577	PERSHING SITE II UPGRADES	19,030	09/85	01/86
141	1576	PERSHING SITE II UPGRADES	2,850	11/85	06/86
141	1575	PERSHING SITE II UPGRADES	1,850	11/85	06/86
141	1579	WHNS VAR LOC	17,500	00/00	00/00
141	1583	SITE SAFETY/SECUR VAR LOC	17,000	09/85	04/86
171	1582	TRNG EXERCISE FAC KAIS	4,750	09/84	02/85
214	1592	RECYC WASHRACK WILDF PIF	3,800	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	391,850		
740	269	CHILD CARE CTR DOWNS	1,000	05/85	08/86
740	1133	CHILD CARE CTR RHEINBERG	930	04/85	09/86
832	1247	SEWER SYS UPG STUTTGART	820	04/85	08/86
740	1313	CHILD CARE CTR WUERZBURG	1,000	05/85	06/86
740	1322	CHILD CARE CTR ADDN ASKEN	900	04/85	07/86
422	1335	AMMO STORAGE BITBURG	520	04/85	09/86
421	1356	RELOCATE AMMO AREA VILSECK	920	05/85	09/86
852	1428	FAC MOD PHIII RIVERS BKS	970	05/85	09/86
421	2152	AMMO STORAGE CRAILSHEIM	860	03/85	06/86
131	2298	COMM CTR CONV RHEINBERG	400	04/85	11/86
610	2299	DATA PROC BLDG RHNBRG	680	04/85	11/86
740	1340	CHILD CARE CTR CRAILSHEIM	930	01/85	12/85
740	1331	CHILD DEV CTR BAD KRUEZ	900	10/84	10/85
		SUBTOTAL PROJECTS $1M & LESS	10,830		
		TOTAL	402,680		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Germany Various Germany

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
214	FAC MOD PH II MANN/SULL	9,600
411	UG POL FAC LUDWIGSBURG	6,621
740	COMMUNITY CENTER VILSECK	3,200
730	CHAPEL MIESAU	1,533
411	POL STORAGE VILSECK	3,134
422	AMMO STORAGE VILSECK	2,145
740	COMMUNITY CENTER FULDA	2,250
218	BATTERY SHOP GERMERSHEIM	2,050
214	TACT EQUIP SHOP VILSECK	1,150
216	AMMO SURV MUENSTER	4,496
214	FAC MOD II MAINZ	10,800
740	PHYS FIT CTR SCHWAE GMD	1,350
214	FAC MOD 6 NUERNBERG	9,420
214	TACT EQUIP SHOP HOHFLS	1,838
214	TACT EQUIP SHOP GIESSEN	4,428
214	VEH MAINT FAC/HSTD BAYRTH	1,100
211	CBT AVN COMPLX II WIESBDN	19,412
740	PHYS FIT CTR RHINE ORD BKS	2,133
219	DEH FACILITY 7ATC	8,900
721	BARRACKS W/DINING BAMBERG	6,700
214	TACT EQUIP SHOP VILSECK	5,537
211	UNIT MAINT HGR WIESBADEN	6,506
721	BARRACKS COMPLEX FULDA	5,544
432	CL I STG FAC GRAFNWR	6,655
721	BARRACKS HARVEY WTZBRG	11,000
214	TACT EQ SHOP ORG WIESBADEN	1,423
218	TACT EQ SHOP WEISBADEN	3,150
218	TACT EQUIP SHOP WEISBADEN	1,430
852	HARDSTAND WIESBADEN	1,414
113	EXPAND HELIPORT LANDSTUHL	2,240
211	COMBAT AV COMP SCHWAEBISCH	16,144
721	FIELD BIVOUAC FACS WILDFLN	5,002
411	POL OPN STG SICKELS	1,305
141	BN HQ CRAILSHEIM	1,350
214	FAC MOD PH II KITZ/LARSON	9,500
422	AMMUNITION STGE MUENSTER	1,961
550	DISP/DENTAL RHEINBERG	2,400
214	TACT EQUIP SHOP VILSECK	13,421
141	BN HQ WUERZBURG	1,194
740	MULTI PURP AUDITORIUM 7ATC	2,697
179	PLT SUBCAL/MANU RG TENNENL	2,371

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION Germany Various Germany

9. FUTURE PROJECTS: (CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
141	OPERATIONS CTK (HARDENED)	2,114
610	OPER BLDG VILSECK	5,195
722	DINING FACILITY VILSECK	1,650
214	WASHRACK	2,500
422	IGLOO STORAGE ADDN SCHWEIN	1,164
141	PERSHING SITE II UPGRADES	1,100
179	TCPC RANGE FRIEDBURG	1,248
141	PERSHING SITE II UPGRADES	4,600
721	BARRACKS 7ATC	9,677
214	FAC MOD III COLEMAN	23,000
852	HARDSTAND(FSB) COLEMAN	5,000
442	LOG WHSE & FACS	1,200
721	BARRACKS CAMP MAY	1,750
214	MAINT FAC DALEY	10,000
852	HARDSTAND WILDFLEC	9,481
852	HARDSTAND	1,153
214	TACT SHOP BAUMHOLDER	9,917
214	FAC MOD PHIV BAMBERG	21,310
852	HARDSTANDS MUENSTER	2,657
852	FAC MOD PH II RHEINLAND	7,726
852	HARDSTAND HANAU	4,028
219	FAC ENGR SHP MOD REICHEL	3,890
141	READY BLDG CP REED	1,788
214	TACTICAL EQUIPMENT SHOP	13,385
214	VEH MAINT SHOP TWISTEDEN	1,716
721	BARRACKS W A&S	9,653
800	OPFOR UTIL SUPP (NAINHOF)	14,826
800	OPFOR UTIL SUPP (POELLN)	2,625
216	AMMUNITION RENOV SHOP	3,741
214	FAC MOD AYERS	17,856
214	TAC EQUIP SHOP GIESSEN	11,920
214	VEH MAINT SHOP ORG RAY	7,476
214	VEH MAINT SHOP ORG HARVEY	6,008
452	HARDSTAND DAENNER	1,133
214	MAINT FAC READY	8,084
214	FAC MOD PH I LUDWIG	10,200
722	OPFOR DINING FAC HOHENFELS	2,050
	SUBTOTAL PROJECTS OVER $1M	447,425
179	INF PLT BTL CSE GRAFNWHR	922
141	BN HQ & CLSRM VILSECK	997
800	EMCS HOHENFELS	810
740	BANK	301
141	BN HQ ADDN VILSECK	783

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Germany Various Germany

9. FUTURE PROJECTS: (...CONTINUE)

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
723	CO ADMIN & SUPPLY VILSECK	464
740	ARMY CONT EDUCATION CTR	640
740	LIBRARY 7ATC	860
610	FINANCE CTR 7ATC	728
740	CHILD CARE CTR NUERNBERG H	930
141	PERSHING SITE II UPGRADES	950
422	AMMO STORAGE CP GATES	910
740	MIL CLOTHING SALES	820
740	CHILD CARE CTR ADDN CONN	280
740	CHILD CARE CTR MLK VILLAGE	970
	SUBTOTAL PROJECTS $1M & LESS	11,365
	TOTAL	458,790

10. MISSION OR MAJOR FUNCTIONS:

Support of US Army, Europe and Seventh Army

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	300,000
B. WATER POLLUTION	250,000
C. OCCUPATIONAL SAFETY AND HEALTH	75,000

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Conn Barracks Schweinfurt, Germany	4.PROJECT TITLE Facility Modernization

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 214	7.PROJECT NUMBER 34	8.PROJECT COST ($000) Auth 16,000 Approp 16,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				13,043
Vehicle Maintenance Shop	SF	45,000	80.00	(3,600)
Metal-Canvas-Woodworking Shop w/ Battery and Compressed Gas	SF	20,600	65.00	(1,339)
Class I Cold Storage Warehouse	SF	10,042	100.00	(1,004)
Mod Building 38 for Bn Hqs	SF	22,371	42.68	(955)
See Cost Estimates (Continued)				(6,145)
Supporting Facilities				1,623
Electric Service	LS	-	-	(284)
Water, Sewer & Gas	LS	-	-	(623)
Paving, Walks, Curbs & Gutters	LS	-	-	(192)
Site Improvement (413) Demolition (64)	LS	-	-	(477)
Communication	LS	-	-	(47)
Subtotal				14,666
Contingency (5.00%)				733
Total Contract Cost				15,399
Supervision, Inspection & Overhead (5.50%)				847
Total Request				16,246
Total Request (Rounded)				16,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a Direct Support Maintenance Shop with manual fire alarm system. Shop consists of 34 maintenance bays, two maintenance pits, two inspection bays, 35-ton bridge cranes, compressed air system with compressors and areas for shop control, supplies, inspection, latrines, break, lockers, laundry and showers. Two Class A vaults with Class V doors equipped with intrusion detection systems (IDS) systems are required. Site adapt a 16,000 SF metal-canvas-woodworking shop with manual fire alarm system. Shops consist of four (4) maintenance bays, 35-ton bridge crane, compressed air system with compressor and similar support areas as for the 32-bay shop above. Construct a Class I Warehouse with automatic alarm systems, elevated floor with automatic truck body levelers, covered loading ramps, stand-by generator with automatic switch and compressors. Provide freeze room, chill rooms, refrigerated staging areas, inspection room, forklift charging area, storage areas for CO2 cylinders and various commodities, veterinary room, latrines, and other support areas. Construct a compressed gas storage building and a lead acid battery renovation shop. Convert Building 38 from a vehicle maintenance shop to Battalion Headquarters and consolidated mail room. Heating will be provided by a new central heat plant. Relocate the Property Disposal Office (PDO) to provide a site for

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Conn Barracks, Schweinfurt, Germany

4. PROJECT TITLE Facility Modernization	5. PROJECT NUMBER 34

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Relocate Prop Disp Office	LS	-	-	307
Heating Plant	MB	34	117,150	3,983
POL Separator	LS	-	-	36
Concrete Apron/Hardstand/Access	SY	36,047	36.58	1,319
Water Well and Connection	LS	-	-	500
			Total	6,145

10. DESCRIPTION OF PROPOSED CONSTRUCTION: (Continued) construction. This involves relocating the vehicle scale and construction of a scale house, storage building, access road and parking. Demolish four (4) buildings and six (6) fuel storage tanks (56,793 gallons).

11. REQUIREMENT: 185,821 SF ADEQUATE: 34,793 SF SUBSTANDARD: 90,288 SF

PROJECT: Construct a Direct Support Maintenance Shop, Class I cold storage warehouse, compressed gas storage shed, battery shop, and two-position covered grease rack. Site adapt a metal-canvas-woodworking shop and modernize Building 38 for a Battalion Headquarters. Relocate the Property Disposal Office.

REQUIREMENT: This project is required to provide adequate maintenance and administrative facilities and hardstand for the 1st Forward Support Battalion. A Class I cold storage warehouse is required to support all military organizations within the Schweinfurt military community.

CURRENT SITUATION: The existing vehicle maintenance facilities are outdated and too small to support the requirement of the modern day Army. The facilities are housed in an aircraft hangar, totally unsuitable for combat vehicles. The inefficient layout restricted access and poor lighting, heating and ventilation, all negatively impact the maintenance operations, combat readiness and mission performance of two armored battalions, an infantry battalion, a field artillery battalion, and a brigade headquarters. This obsolete facility drastically reduces the efficiency of new weapons and support systems and reduces the advantages of force modernization. The existing Troop Issue Subsistance Activity (TISA) uses space in Building 40 for Class I storage. There are no areas, however, for the specialized storage of non-perishable food items. Cold storage consists of refrigerator boxes installed outside protected from the elements only by a steel-framed, corrugated metal roof structure. The diverted hangar space now used for maintenance is required to activate the 3rd Battalion, 7th Cavalry Air Troops.

IMPACT IF NOT PROVIDED: If this project is not provided, the 1st Forward Support Battalion would continue to perform its maintenance mission in the aged and substandard facilities that cannot support the requirements of a modern direct service maintenance unit. The lack of adequate vehicle maintenance facilities will steadily reduce the operational capabilities of the Forward Support Battalion, severely affecting the morale, mission

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Conn Barracks, Schweinfurt, Germany		
4. PROJECT TITLE Facility Modernization		5. PROJECT NUMBER 34

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
performance and combat readiness of the units. TISA will continue to use its present substandard facility, negatively affecting the entire military community.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $2,400,000 based on awarding a single construction contract for this project with project numbers 1378 and 2288 at Conn Barracks, Schweinfurt, Germany. This project is not within an established NATO Infrastructure Category (including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUN 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 216
(b) All Other Design Costs 413
(c) Total Cost 629
(d) Contract 338
(e) In-house 291

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Hohenfels Training Area Hohenfels, Germany	4. PROJECT TITLE Military Operations on Urbanized Terrain

5. PROGRAM ELEMENT 22393A	6. CATEGORY CODE 179	7. PROJECT NUMBER 391	8. PROJECT COST ($000) Auth 0 Approp 2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,269
Simulated City Structure (32 EA)	LS	-	-	(2233)
Tunnels and Auxiliary Structures	LS	-	-	(36)
Supporting Facilities				279
Paving, Walks, Curbs & Gutters	LS	-	-	(129)
Storm Drainage	LS	-	-	(46)
Site Improvement	LS	-	-	(104)
Subtotal				2,548
Contingency (5.00%)				127
Total Contract Cost				2,675
Supervision, Inspection & Overhead (5.50%)				147
Total Request				2,822
Total Request (Rounded)				2,800
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a simulated German village with thirty-two (32) permanent city and village buildings in accordance with standard Military Operations on Urbanized Terrain (MOUT) design. Work to include all required utilities services, roads, paving, fences, obstacles, tunnels, special training buildings, storm drainage, communications, and site improvements.

11. **REQUIREMENT:** 1 EA ADEQUATE: None SUBSTANDARD: 2 EA

PROJECT: Construct a Military Operations on Urbanized Terrain (MOUT) facility.

REQUIREMENT: This project is required to provide realistic training in MOUT and a realistic environment for the training and evaluation of maneuver units. This facility is needed to enable over twenty-eight (28) U.S. infantry battalions, ten (10) armored cavalry squadrons and up to ten (10) other battalions to receive MOUT training each year.

CURRENT SITUATION: Facilities for training in this type of environment at company team and battalion task force levels are almost non-existent. The German facility in Hammelburg is only available to five (5) U.S. battalions each year. The existing facilities at Hohenfels consists of only ten (10) wooden facades. No other facilities exist at this installation to satisfy

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Hohenfels Training Area, Hohenfels, Germany		
4.PROJECT TITLE Military Operations on Urbanized Terrain		5.PROJECT NUMBER 391

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
this requirement.
IMPACT IF NOT PROVIDED: If this project is not provided, absence of adequate facilities for MOUT training will continue to negatively impact the combat readiness of forward deployed units.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....JAN 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 68
(b) All Other Design Costs 88
(c) Total Cost 156
(d) Contract 94
(e) In-house 62

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Neureut Labor Service Kaserne Karlsruhe, Germany	4.PROJECT TITLE Facility Modernization

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 214	7.PROJECT NUMBER 846	8.PROJECT COST ($000) Auth 10,000 Approp 10,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,895
Vehicle Maint Shop, Org	SF	29,028	89.27	(2,591)
Concrete Hardstand and Aprons	SY	59,154	35.70	(2,112)
Deployment Equipment Storage	SF	10,500	23.81	(250)
Grease Rack	LS	-	-	(150)
Sanitary Station	LS	-	-	(12)
See Cost Estimates (Continued)				(780)
Supporting Facilities				3,192
Electric Service	LS	-	-	(559)
Water, Sewer & Gas	LS	-	-	(979)
Steam, Chilled Water & Heat Distribution	LS	-	-	(55)
Paving, Walks, Curbs & Gutters	LS	-	-	(449)
Storm Drainage	LS	-	-	(415)
Site Improvement (554) Demolition (76)	LS	-	-	(630)
Communication	LS	-	-	(59)
Fencing/Traffic Control	LS	-	-	(46)
Subtotal				9,087
Contingency (5.00%)				454
Total Contract Cost				9,541
Supervision, Inspection & Overhead (5.50%)				525
Total Request				10,066
Total Request (Rounded)				10,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a permanent vehicle maintenance shop with concrete apron. Construct three (3) semi-permanent deployment equipment storage buildings for storage of camouflage nets, tentage, pioneer tools, small generators and engineer equipment. Site adapt post washrack. Construct post fuel station with 52,835 gallons (200,000 Liters) of diesel with three (3) double high pressure fuel pumps and 1,320 gallons (5,000 liters) of MOGAS with one (1) single fuel pump. Construct concrete hardstand, transformer station, water retention basin, and a 2-position covered greaserack. Provide connection of utilities to central utility systems. Convert electrical system from 4 KVA to 20 KVA. Heating will be provided from central oil-fired heating plant. Demolish 14 buildings (15,311 SF).

11. REQUIREMENT: 63,685 SF ADEQUATE: None SUBSTANDARD: 46,356 SF

PROJECT: Construct a vehicle maintenance shop with concrete aprons, three (3) storage buildings, a post fuel station, concrete hardstand, transformer station, water retention basin, covered greaserack, and all supporting facilities.

REQUIREMENT: This project is required to provide adequate vehicle maintenance facilities, hardstand and storage for the 565th Engineer Battalion, because existing maintenance facilities are too small to

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Neureut Labor Service Kaserne, Karlsruhe, Germany		
4. PROJECT TITLE Facility Modernization	5. PROJECT NUMBER 846	

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Pump House	LS	-	-	95
Wash Rack	LS	-	-	358
Fuel Station and Dispensing Fac	LS	-	-	327
			Total	780

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued) accommodate heavy combat engineer equipment and large wheeled vehicles. Hardstands to park assigned tactical equipment do not exist and wash platforms are not available. In addition, the existing fuel dispensing facility is insufficient in capacity. Existing maintenance shops will be temporarily reassigned to the 72d Signal Battalion and demolished under Phase II of the Facilities Modernization program for Neureut Kaserne. There are no other facilities available in USMCA Karlsruhe, which would satisfy this requirement.

CURRENT SITUATION: Vehicle maintenance space for the 565th Engineer Battalion does not exist as required (29,028 SF authorized versus 16,258 SF actually assigned). Existing vehicle maintenance facilities are insufficient to accommodate mobile assault bridging and assault float bridging equipment because the repair bays are too small and do not have the overhead clearance required. There are no hardstands to park assigned tactical equipment, or wash platforms. Grease racks are not available and inspection pits are often flooded due to inadequate drainage systems. Bay support areas such as tool and parts storage and centralized parts distribution areas, like direct exchange/technical supply, are either not available or limited to such a degree that they cannot store required line items. Sanitary facilities are too small to support the number of personnel assigned, and are in a deplorable condition. Training rooms are not available. Utility systems are obsolete. Storage of OVE/OVM equipment is done in temporary sheds which cannot be maintained or repaired economically. Organizational vehicle parking is done on unimproved ground. Hardstands designed for vehicle cleaning do not exist. The existing fuel dispensing facility is totally insufficient in capacity (67,364 gal required, versus 13,209 gal available).

IMPACT IF NOT PROVIDED: If this project is not provided, continued use of existing facilities, which cannot accommodate heavy Pioneer equipment, will further increase operational costs and weaken troop morale and mission effectiveness below acceptable levels.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Neureut Labor Service Kaserne, Karlsruhe, Germany

4.PROJECT TITLE Facility Modernization	5.PROJECT NUMBER 846

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status:

(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 291
(b) All Other Design Costs 383
(c) Total Cost 674
(d) Contract 461
(e) In-house 213

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		
		TOTAL	None

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	4. PROJECT TITLE Commissary Sales Store

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 740	7. PROJECT NUMBER 1090	8. PROJECT COST ($000) Auth 7,300 Approp 7,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,536
Commissary	SF	62,200	89.00	(5,536)
Supporting Facilities				1,097
Electric Service	LS	-	-	(71)
Water, Sewer & Gas	LS	-	-	(110)
Steam, Chilled Water & Heat Distribution	LS	-	-	(8)
Paving, Walks, Curbs & Gutters	LS	-	-	(529)
Storm Drainage	LS	-	-	(143)
Site Improvement (156) Demolition (52)	LS	-	-	(208)
Communication	LS	-	-	(11)
Dud Clearance	LS	-	-	(17)
Subtotal				6,633
Contingency (5.00%)				332
Total Contract Cost				6,965
Supervision, Inspection & Overhead (5.50%)				383
Total Request				7,348
Total Request (Rounded)				7,300
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a commissary sales store to include display area, register area, warehouse area, receiving area, veterinary food inspection area, management offices, and bathrooms to replace the inadequate commissary which was constructed in 1953 and expanded in 1982. Heat will be by a central heat plant to be constructed under FY 87 PN 2305. Supporting facilities to include site development, truck parking and unloading area, utilities, communications systems, fire protection system (with sprinklers and alarm), and dud clearance. Accessibility for the handicapped will be provided. Mechanical ventilation: 200,000 CFM.

11. REQUIREMENT: 62,200 SF ADEQUATE: None SUBSTANDARD: 5,866 SF

PROJECT: Construct a commissary sales store.

REQUIREMENT: The new commissary is required for the sale of food and household items to the installation population, which will total 9,580 personnel, including 1,539 families, following all stationing actions planned under the Force Modernization Program.

CURRENT SITUATION: The existing commissary at Vilseck is located in two small temporary/ semipermanent buildings which cannot be expanded to meet the increased requirements resulting from stationing actions planned under the Force Modernization Program. Total of existing space is 5,866 SF, less than

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4. PROJECT TITLE Commissary Sales Store		5. PROJECT NUMBER 1090

10% of required area. Because of the restricted floor loads in existing facilities, there is only reduced storing capability.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing facility will be grossly inadequate to satisfy the increased demand and sales volume. Existing civilian supermarkets in the area are inadequate to meet the demand, are considerably more expensive, and are fifteen miles away. Lack of an adequate commissary would have a detrimental effect on morale and would cause a financial hardship to personnel particularly families.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUL 85

(b) Percent Complete As Of January 1986 40

(c) Percent Complete As Of October 1986 99

(d) Date Design Complete .... OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 141

(b) All Other Design Costs 299

(c) Total Cost 440

(d) Contract 230

(e) In-house 210

(4) Construction Start .... MAR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	4. PROJECT TITLE Unaccompanied Officers Housing

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 724	7. PROJECT NUMBER 1093	8. PROJECT COST ($000) Auth 4,050 Approp 4,050

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,085
Unaccompanied Officers Housing	SF	50,610	60.95	(3,085)
Supporting Facilities				591
Electric Service	LS	-	-	(5)
Water, Sewer & Gas	LS	-	-	(129)
Steam, Chilled Water & Heat Distribution	LS	-	-	(21)
Paving, Walks, Curbs & Gutters	LS	-	-	(68)
Storm Drainage	LS	-	-	(215)
Site Improvement	LS	-	-	(124)
Communication	LS	-	-	(11)
Dud Clearance	LS	-	-	(18)
Subtotal				3,676
Contingency (5.00%)				184
Total Contract Cost				3,860
Supervision, Inspection & Overhead (5.50%)				212
Total Request				4,072
Total Request (Rounded)				4,050
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct unaccompanied officers housing to include a total of 50 one bedroom apartments for officers in grades 0-3 and above and 36 efficiency apartments for officers in grades 0-2 and below. Heat to be supplied from a central heat plant to be constructed under FY87 PN 2305. Supporting facilities include driveways and parking, sidewalks, landscaping, exterior lighting, site development, all utilities, storm drainage, communications and dud clearance. A fire detection/alarm system will be provided. duds. Dud clearance costs were considered in the cost estimate. Mechanical ventilation: 151,830 CFM.

11. REQUIREMENT: 102 PN ADEQUATE: None SUBSTANDARD: 15 PN

PROJECT: Construct unaccompanied officers housing.

REQUIREMENT: This project is required to provide housing for 86 unaccompanied officers (maximum utilization) of the five battalions and associated units scheduled to be stationed at Vilseck under the Force Modernization Program.

CURRENT SITUATION: The existing unaccompanied officers housing, Building 256, does not meet current standards and is programmed for use as an Army Continuing Education System Facility (CC 740 25).

IMPACT IF NOT PROVIDED: If this project is not provided, stationing of some

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4.PROJECT TITLE Unaccompanied Officers Housing		5.PROJECT NUMBER 1093

units at Vilseck as planned under the Force Modernization Program may not be possible.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....APR 85

(b) Percent Complete As Of January 1986 40

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 86

(b) All Other Design Costs 184

(c) Total Cost 270

(d) Contract 145

(e) In-house 125

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Hessen Homburg Kaserne Hanau, Germany	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1127	8.PROJECT COST ($000) Auth 0 Approp 3,700

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,673
Vehicle Maintenance Shop	SF	12,800	70.23	(899)
Storage Building	SF	3,500	29.76	(104)
Modernize Building	SF	11,115	42.38	(471)
Concrete Apron	SY	4,173	35.70	(149)
Concrete Hardstand	SY	23,072	35.70	(824)
See Cost Estimates (Continued)				(226)
Supporting Facilities				688
Electric Service	LS	-	-	(80)
Water, Sewer & Gas	LS	-	-	(129)
Steam, Chilled Water & Heat Distribution	LS	-	-	(49)
Paving, Walks, Curbs & Gutters	LS	-	-	(194)
Storm Drainage	LS	-	-	(34)
Site Improvement (78) Demolition (40)	LS	-	-	(118)
Communication	LS	-	-	(57)
Fencing/Lighting	LS	-	-	(27)
Subtotal				3,361
Contingency (5.00%)				168
Total Contract Cost				3,529
Supervision, Inspection & Overhead (5.50%)				194
Total Request				3,723
Total Request (Rounded)				3,700
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a tactical equipment shop with ten (10) maintenance bays, one (1) welding bay, a generator and tire bay, two (2) maintenance pits, a 10-ton bridge crane, compressed air systems with compressor, electronics shop and space for administration, oil, lockers, showers, latrines and storage. Construction of a storage building and modernization of existing tactical equipment shop. Project includes a heating plant addition, fuel station, compressed gas storage shed and POL separator/retention basins. Work also includes all utilities, site improvements, communications, and security lighting and fencing. Demolish six (6) buildings (11,641 SF).

11. REQUIREMENT: 27,415 SF ADEQUATE: None SUBSTANDARD: 19,453 SF

PROJECT: Construct a tactical equipment shop with supporting facilities.

REQUIREMENT: This project is required to provide adequate maintenance storage and vehicle parking for 159 tactical vehicles, 3 combat vehicles, 1 fuel vehicle and 161 trailers.

CURRENT SITUATION: The existing maintenance facilities were constructed prior to World War II. Facilities are structurally unsound and poorly configured for maintenance on modern military vehicles. Engine removal is done outside because of the small size and low ceiling height of the building.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Hessen Homburg Kaserne, Hanau, Germany		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1127

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Compressed Gas Storage	LS	-	-	6
POL Storage/Fuel Station	LS	-	-	85
Heating Plant Addition	LS	-	-	135
			Total	226

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

Existing hardstand is insufficient and deteriorated. Parking and outdoor maintenance is done outside in the mud, rain and snow.

IMPACT IF NOT PROVIDED: If this project is not provided, use of the existing facilities, which do not accommodate modern combat and large tactical vehicles, will continue, increasing operational costs and jeopardizing mission effectiveness.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started ....JUL 84
- (b) Percent Complete As Of January 1986 100
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete ....SEP 85

(2) Basis:
- (a) Standard or Definitive Design Yes X No ___
- (b) Where Design Was Most Recently Used Throughout USAREUR

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 83
- (b) All Other Design Costs 168
- (c) Total Cost 251
- (d) Contract 141
- (e) In-house 110

(4) Construction Start .... JAN 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Hessen Homburg Kaserne, Hanau, Germany		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1127

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Argonner Kaserne Hanau, Germany	4. PROJECT TITLE Child Development Center

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 740	7. PROJECT NUMBER 1160	8. PROJECT COST ($000) Auth 1,850 Approp 1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,400
Child Dev Ctr w/Mech Storage	SF	15,250	84.52	(1,289)
Playground w/Fencing	LS	-	-	(111)
Supporting Facilities				280
Electric Service	LS	-	-	(34)
Water, Sewer & Gas	LS	-	-	(103)
Paving, Walks, Curbs & Gutters	LS	-	-	(92)
Site Improvement	LS	-	-	(41)
Communication	LS	-	-	(2)
Oil Storage	LS	-	-	(8)
Subtotal				1,680
Contingency (5.00%)				84
Total Contract Cost				1,764
Supervision, Inspection & Overhead (5.50%)				97
Total Request				1,861
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a child development center to include reception rooms, staff work room/lounge, staff/public lavatory area, isolation room, office space, general storage, kitchen, laundry, janitor closet, delivery area and mechanical equipment room. The indoor child activity rooms shall include areas for infants, toddlers, preschool age children and a before/after school program for school age children. Supporting facilities include a mechanical room, playgrounds with fencing, outdoor storage, communications, parking, sidewalks, an access road, utilities, landscaping and related site work. Heating will be by self-contained unit. Accessibility for the handicapped will be provided. Mechanical ventilation: 23,000 CFM.

11. REQUIREMENT: 27,375 SF ADEQUATE: 7,216 SF SUBSTANDARD: None

PROJECT: Construct a child development center.

REQUIREMENT: This project is required to provide adequate child support development services for 198 children from age 6 weeks to 12 years. This project will provide a full service child develpment program in the Argonner Housing area, relieving the shortage of child care spaces in the existing facility.

CURRENT SITUATION: The existing facility at Wolfgang Kaserne has a capacity of 100 children. This facility is operating at maximum capacity and many

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Argonner Kaserne, Hanau, Germany		
4.PROJECT TITLE Child Development Center		5.PROJECT NUMBER 1160

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
children are turned away for lack of space. Located in the vicinity of Wolfgang Community Center which is scheduled to open in 1986, the current center will be operating a much larger hourly care program. Many children now provided full day care will no longer be accommodated.
IMPACT IF NOT PROVIDED: If this project is not provided, the existing facility will continue to be inadequate to meet the demand for child care services. Consequently, military and DOD personnel and their dependents will be deprived of a vital quality-of-life service.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....APR 85
(b) Percent Complete As Of January 1986 60
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ___________

(3) Total Cost (c) = (a)+(b) or (d)+(e). ($000)
(a) Production of Plans and Specifications 35
(b) All Other Design Costs 76
(c) Total Cost 111
(d) Contract 62
(e) In-house 49

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Reichel Kaserne Rheinberg, Germany	4. PROJECT TITLE Physical Fitness Training Center

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 740	7. PROJECT NUMBER 1229	8. PROJECT COST ($000) Auth 4,900 Approp 4,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,748
Convert to Mil Clothing Sales	SF	4,200	88.07	(370)
Convert to ACS Center	SF	1,150	57.96	(67)
Convert to Physical Fitness Ctr	SF	21,000	59.51	(1,250)
Convert to Morale Spt Act Ofc	SF	6,500	27.37	(178)
Convert to Recreation Center	SF	12,700	77.37	(983)
See Cost Estimates (Continued)				(900)
Supporting Facilities				457
Electric Service	LS	-	-	(162)
Water, Sewer & Gas	LS	-	-	(161)
Steam, Chilled Water & Heat Distribution	LS	-	-	(19)
Site Improvement	LS	-	-	(73)
Communication	LS	-	-	(42)
Subtotal				4,205
Contingency (10.00%)				421
Total Contract Cost				4,626
Supervision, Inspection & Overhead (5.50%)				254
Total Request				4,880
Total Request (Rounded)				4,900
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Convert warehouse to multi-purpose physical fitness and community center. Work will include all utilities, fire protection and communications. Mechanical ventilation: 260,000 CFM.

11. REQUIREMENT: 45,550 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Convert warehouse to multi-purpose physical fitness and community services center.

REQUIREMENT: This project is required to provide physical fitness and community services to a new community with a population of 2,705.

CURRENT SITUATION: There are no permanent facilities currently available for this purpose. Some temporary sports areas are set up in existing leased warehouse space. The nearest existing community that provides a full range of fitness and recreational functions is more than two hours away.

IMPACT IF NOT PROVIDED: If this project is not provided, the support services needed in the community will continue at less than minimum acceptable standards. The lack of these services will have a detrimental effect upon the morale, welfare and combat readiness of the U.S. personnel assigned to the area.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for funding, nor is it expected to become eligible.

1.COMPONENT		2.DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 86

3.INSTALLATION AND LOCATION

Reichel Kaserne, Rheinberg, Germany

4.PROJECT TITLE

Physical Fitness Training Center

5.PROJECT NUMBER

1229

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Convert to Theatre w/Dresng Rm	SF	6,500	114.62	745
Fire Exit Corridors & Stairwells	SF	10,000	15.48	155
			Total	900

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....APR 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 70

(d) Date Design Complete ....JAN 87

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 52

(b) All Other Design Costs 107

(c) Total Cost 159

(d) Contract 83

(e) In-house 76

(4) Construction Start .... JUN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Rhine Ordnance Barracks Kaiserslautern, Germany	4.PROJECT TITLE Petroleum Laboratory

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 310	7.PROJECT NUMBER 1293	8.PROJECT COST ($000) Auth 1,400 Approp 1,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				909
Petroleum Laboratory	SF	7,295	121.32	(885)
Compressed Gas Storage Sheds	LS	-	-	(24)
Supporting Facilities				356
Electric Service	LS	-	-	(67)
Water, Sewer & Gas	LS	-	-	(61)
Steam, Chilled Water & Heat Distribution	LS	-	-	(50)
Paving, Walks, Curbs & Gutters	LS	-	-	(60)
Site Improvement (81) Demolition (12)	LS	-	-	(93)
Communication	LS	-	-	(6)
Fencing	LS	-	-	(19)
Subtotal				1,265
Contingency (5.00%)				63
Total Contract Cost				1,328
Supervision, Inspection & Overhead (5.50%)				73
Total Request				1,401
Total Request (Rounded)				1,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a petroleum laboratory with a compressed gas storage shed (for oxygen, acetylene, carbon dioxide, propane, and nitrogen). Provide space for laboratory, engine test room, latrines, showers, lockers and storage. Install a compressed air system with compressor, laboratory benches with fume hoods and a fire protection system. Supporting facilities include concrete paving, parking, security, fences and lighting, sound barriers, sewer lines and septic tank. Provide self-contained heating system. Demolish two (2) buildings (1,965 SF) Air conditioning: 15 tons.

11. REQUIREMENT: 7,295 SF ADEQUATE: None SUBSTANDARD: 4,595 SF

PROJECT: Construct a petroleum products laboratory.

REQUIREMENT: This project is required to provide the only U.S. petroleum laboratory in Europe with a proper facility to accomplish its mission and eliminate the inadequate deteriorated facility and numerous health and safety hazards faced by the staff.

CURRENT SITUATION: Petroleum products are presently tested in a deteriorated laboratory constructed in 1956. It is the only U.S. petroleum laboratory in Europe and serves all Army and Air Force units stationed there. Originally equipped to perform 55 separate tests and process 5,000 samples

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Rhine Ordnance Barracks, Kaiserslautern, Germany		
4.PROJECT TITLE Petroleum Laboratory		5.PROJECT NUMBER 1293

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
annually, the lab now is equipped for 95 separate tests (a 73 percent increase) and processes more than 8,000 samples annually (a 60 percent increase). Up to 20 tests may be required for one sample. This additional equipment has caused severe crowding and overloads the utility systems. The power supply is inadequate and cannot run equipment such as transformers that require 24 hour operation. Lack of climate control reduces the accuracy of tests requiring constant temperatures. Exposure to toxic fumes results from inadequate ventilation and fume exhaust failure. Cramped working conditions require open-flame tests on diesel fuel be conducted in close proximity to highly volatile JP-4, posing a health and safety hazard. Boiler failure has necessitated the use of space heaters which claim electrical outlets needed for the test equipment. Disposal of toxic wastes is done manually by carrying tins of waste to an outside holding tank. Lack of a proper toxic waste disposal system exposes personnel to health and safety hazards.
IMPACT IF NOT PROVIDED: If this project is not provided, petroleum products testing will continue to be performed in a deteriorated, unsafe and unhealthy facility. The required testing will continue to be curtailed by poor laboratory conditions. This limitation will affect all units in Europe, especially those which use highly refined fuels such as jet fuel.
ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:

(a) Date Design Started	JUN 85
(b) Percent Complete As Of January 1986	40
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications	24
(b) All Other Design Costs	56
(c) Total Cost	80
(d) Contract	46
(e) In-house	34

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Rhine Ordnance Barracks, Kaiserslautern, Germany		
4. PROJECT TITLE Petroleum Laboratory		5. PROJECT NUMBER 1293

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Siegelsbach Ammo Fac Heilbronn, Germany	4. PROJECT TITLE Barracks

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 721	7. PROJECT NUMBER 1309	8. PROJECT COST ($000) Auth 2,100 Approp 2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,669
Barracks	SF	22,800	58.32	(1,330)
Company Administration & Storage	SF	5,600	58.32	(327)
IDS (Installation Cost Only)	LS	-	-	(12)
Supporting Facilities				247
Electric Service	LS	-	-	(6)
Water, Sewer & Gas	LS	-	-	(20)
Steam, Chilled Water & Heat Distribution	LS	-	-	(29)
Paving, Walks, Curbs & Gutters	LS	-	-	(68)
Site Improvement	LS	-	-	(91)
Communication	LS	-	-	(32)
Traffic Control	LS	-	-	(1)
Subtotal				1,916
Contingency (5.00%)				96
Total Contract Cost				2,012
Supervision, Inspection & Overhead (5.50%)				111
Total Request				2,123
Total Request (Rounded)				2,100
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a barracks building complete with utilities, paving, walks, curbs, gutters, fire protection intrusion detection system (IDS), communications, storm drainage and site improvements. Heating provided by the oil-fired boiler plant. Mechanical Ventilation: 78,000 CFM.

11. REQUIREMENT: 299 PN ADEQUATE: 213 PN SUBSTANDARD: None

PROJECT: Construct a barracks.

REQUIREMENT: This project is required to provide adequate housing for 46 E1-E4, 37 E5-E7, (intended utilization), with a maximum utilization of 120.

CURRENT SITUATION: Unaccompanied enlisted personnel stationed at Siegelsbach are housed in seven (7) buildings. Those not located at Siegelsbach or in nearby economy housing are billeted in Wharton Barracks, a thirty (30) minute drive from Siegelsbach. Lack of convenient, adequate housing at Siegelsbach contributes to the daily stress imposed on the service members by the nature of their classified weapons maintenance and ammunition storage mission.

IMPACT IF NOT PROVIDED: If this project is not provided, the lack of adequate housing will continue to severely restrict the ability of the units stationed at Siegelsbach to perform their missions.

ADDITIONAL: This project is not within an established NATO Infrastructure

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Siegelsbach Ammo Fac, Heilbronn, Germany		
4. PROJECT TITLE Barracks		5. PROJECT NUMBER 1309

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)
Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... MAY 85
- (b) Percent Complete As Of January 1986 40
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... APR 86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 40
- (b) All Other Design Costs 80
- (c) Total Cost 120
- (d) Contract 70
- (e) In-house 50

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Smith Barracks Baumholder, Germany	4.PROJECT TITLE Command and Control Building

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 131	7.PROJECT NUMBER 1332	8.PROJECT COST ($000) Auth 10,000 Approp 10,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,148
Semi-Hardened ADP Building	SF	27,050	225.84	(6,109)
Guard House	LS	-	-	(16)
IDS (Installation Cost Only)	LS	-	-	(23)
Supporting Facilities				2,858
Electric Service	LS	-	-	(38)
Water, Sewer & Gas	LS	-	-	(54)
Paving, Walks, Curbs & Gutters	LS	-	-	(81)
Site Improvement	LS	-	-	(486)
Communication	LS	-	-	(2,164)
Security Fencing (Double)	LS	-	-	(35)
Subtotal				9,006
Contingency (5.00%)				450
Total Contract Cost				9,456
Supervision, Inspection & Overhead (5.50%)				520
Total Request				9,976
Total Request (Rounded)				10,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a partially underground two-story data processing center to include computer room, terminal room, crypto room, technical control room, storage and supply rooms, conference room, contractor's area, offices, bathrooms, mechanical equipment rooms, arms room and network control area. Computer room will have raised flooring. Work will include intrusion detection system (IDS), security fence/gates/lights/guardhouse, radio-frequency (RF) shielding, transformer station utility connection, parking, communications, fire protection and site improvements. Heating and air conditioning by self-contained systems. Air Conditioning: 60 tons.

11. REQUIREMENT: 27,050 SF ADEQUATE: None SUBSTANDARD: 21,300 SF

PROJECT: Construction of a data processing center.

REQUIREMENT: This project is required to provide a secure facility with high survivability in a rear location. The data processing portion of the structure must be capable of withstanding nuclear, biological or chemical (NBC) attack and bombs, and must be capable of sustaining operations for twenty-four (24) hours in a buttoned-up condition.

CURRENT SITUATION: Operations are currently conducted in an above ground conventional building. This facility has been bombed in the past and is

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Smith Barracks, Baumholder, Germany		
4.PROJECT TITLE Command and Control Building		5.PROJECT NUMBER 1332

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
highly vulnerable to terrorist attack. In addition, there is no service area in which to house the transportable computer vans which are an integral part of this mission.
IMPACT IF NOT PROVIDED: If this project is not provided, this faclity will remain vulnerable to terrorist attack. Non-availability of a secure area in close proximity of this existing facility to accomodate high value transportable computer vans could also severely limit mission ability to provide indispensable data.
ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAR 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....AUG 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 117
(b) All Other Design Costs 422
(c) Total Cost 539
(d) Contract 326
(e) In-house 213

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Bitburg, Germany	4. PROJECT TITLE Tactical Equipment Shop

5. PROGRAM ELEMENT 22381A	6. CATEGORY CODE 214	7. PROJECT NUMBER 1336	8. PROJECT COST ($000) Auth 1,200 Approp 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				594
Tactical Equipment Shop	SF	3,644	83.32	(304)
Washrack Recirculating Portion	LS	-	-	(144)
Retention Basin-POL Separator	LS	-	-	(54)
Fire and Life Safety Equipment	LS	-	-	(23)
Area Lighting	LS	-	-	(69)
Supporting Facilities				511
Electric Service	LS	-	-	(21)
Water, Sewer & Gas	LS	-	-	(75)
Steam, Chilled Water & Heat Distribution	LS	-	-	(115)
Storm Drainage	LS	-	-	(95)
Site Improvement	LS	-	-	(100)
Communication	LS	-	-	(45)
Booster Station	LS	-	-	(60)
Subtotal				1,105
Contingency (5.00%)				55
Total Contract Cost				1,160
Supervision, Inspection & Overhead (5.50%)				64
Total Request				1,224
Total Request (Rounded)				1,200
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a tactical equipment shop. Work will include the recirculation portion of NATO funded washrack, retention basin, POL separator and area lighting. Supporting facilities include utility connections, security fencing with lighting and communications. Heating will be provided by a new central heating plant FY 87, PN 1349.

11. REQUIREMENT: 3,644 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a tactical equipment shop.

REQUIREMENT: This project is required to provide vehicle maintenance facilities to accommodate the requirements generated by the planned deployment of a NATO PATRIOT Battalion. The battalion will perform a 24-hour NATO integrated air defense mission from peacetime tactical sites supported from the garrison area. The PATRIOT Air Defense Missile System is scheduled to be stationed in the Bitburg area.

CURRENT SITUATION: No facilities are currently available at the Bitburg Airbase and none are expected to become available in the future that can satisfy the requirements for this project.

IMPACT IF NOT PROVIDED: If this project is not provided, the PATRIOT Battalion will not have adequate facilities to perform vehicle and equipment maintenance at this location. This will detrimentally affect unit morale,

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Bitburg, Germany		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 1336

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
mission operations and readiness and may prevent the stationing of the unit in the Bitburg area.

ADDITIONAL: This project exceeds the allowable NATO Infrastructure Category for common funding. NATO is funding the portion which is eligible for common funding under Slice 38.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started ....APR 85
- (b) Percent Complete As Of January 1986 40
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete ....SEP 86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 12
- (b) All Other Design Costs 45
- (c) Total Cost 57
- (d) Contract 25
- (e) In-house 32

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Bitburg, Germany	4.PROJECT TITLE Barracks	

5.PROGRAM ELEMENT 22381A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1337	8.PROJECT COST ($000) Auth 13,800 Approp 13,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				10,122
Barracks	SF	142,400	58.32	(8,305)
Company Administration & Storage	SF	23,089	58.32	(1,347)
IDS (Installation Cost Only)	LS	-	-	(38)
Pile Foundation	LS	-	-	(432)
Supporting Facilities				2,318
Electric Service	LS	-	-	(155)
Water, Sewer & Gas	LS	-	-	(208)
Steam, Chilled Water & Heat Distribution	LS	-	-	(189)
Paving, Walks, Curbs & Gutters	LS	-	-	(837)
Storm Drainage	LS	-	-	(363)
Site Improvement	LS	-	-	(370)
Communication	LS	-	-	(161)
Fencing	LS	-	-	(35)
Subtotal				12,440
Contingency (5.00%)				622
Total Contract Cost				13,062
Supervision, Inspection & Overhead (5.50%)				718
Total Request				13,780
Total Request (Rounded)				13,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of four (4) barracks buildings and administrative and storage space for seven (7) batteries. Supporting facilities to include connections to electrical, water, sewer, drainage, communications, special engineered foundations, and central heating systems and parking. Mechanical ventilation: 465,000 CFM.

11. REQUIREMENT: 2,300 PN ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct barracks with administration and supply areas.

REQUIREMENT: This project provides adequate housing for 444 E1-E4, 104 E5-E7, 15 E7-E9 (intended utilization), with a maximum utilization of 712. The PATRIOT battalion will perform a 24 hour NATO integrated air defense mission from peacetime tactical sites. The PATRIOT Air Defense Missile System is scheduled to be stationed in the Bitburg area.

CURRENT SITUATION: No facilities are currently available at the Bitburg Airbase and none are expected to become available in the future to support the barracks requirements of the PATRIOT battalion and Direct Support Maintenance Company which will have a total strength of 837 officers and enlisted.

IMPACT IF NOT PROVIDED: If this project is not provided, the PATRIOT battalion will have no barracks facilities at this location. This may prevent the stationing of the unit in the Bitburg area.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Bitburg, Germany

4.PROJECT TITLE	5.PROJECT NUMBER
Barracks	1337

11. REQUIREMENT: (Continued)

ADDITIONAL: The barracks portion of this project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible. The administration and storage area portion of this project exceed the allowable NATO Infrastructure Category for Common funding. NATO funding is proposed, under Slice 38, for the portion which is eligible for common funding.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....APR 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 244
(b) All Other Design Costs 472
(c) Total Cost 716
(d) Contract 414
(e) In-house 302

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Bitburg, Germany	4. PROJECT TITLE Dining Facility

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 722	7. PROJECT NUMBER 1348	8. PROJECT COST ($000) Auth 1,850 Approp 1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,331
Dining Facility	SF	8,600	154.73	(1,331)
Supporting Facilities				360
Electric Service	LS	-	-	(37)
Water, Sewer & Gas	LS	-	-	(23)
Steam, Chilled Water & Heat Distribution	LS	-	-	(6)
Paving, Walks, Curbs & Gutters	LS	-	-	(105)
Storm Drainage	LS	-	-	(40)
Site Improvement	LS	-	-	(96)
Communication	LS	-	-	(53)
Subtotal				1,691
Contingency (5.00%)				85
Total Contract Cost				1,776
Supervision, Inspection & Overhead (5.50%)				98
Total Request				1,874
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a dining facility, to include parking, sidewalks, and connections to electrical, water, sewer, central heat, storm drainage, communication systems and fire protection systems. Provide telephone connection with one extension. Mechanical ventilation: 43,000 CFM. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 1,070 PN ADEQUATE: 708 PN SUBSTANDARD: None

PROJECT: Construct an enisited personnel dining facility.

REQUIREMENT: This project is required to provide dining facilities for 250 to 400 enlisted personnel of a newly assigned PATRIOT Battalion and Brigade Headquarters.

CURRENT SITUATION: Facilities are currently available at the Bitburg Airbase. However, a larger dining facility is required to meet the shortfall of the existing dining facility when the PATRIOT Battalion and the Brigade Headquarters arrive.

IMPACT IF NOT PROVIDED: If this project is not provided, the PATRIOT Battalion will have inadequate and overcrowded dining facilities at this location. This will hamper the operational readiness of the PATRIOT Battalion and the Brigade Headquarters.

ADDITIONAL: This project is not within an established NATO Infrastructure

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Bitburg, Germany		
4.PROJECT TITLE Dining Facility		5.PROJECT NUMBER 1348

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)
Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ______

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 26
(b) All Other Design Costs 68
(c) Total Cost 94
(d) Contract 54
(e) In-house 40

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Bitburg, Germany	4. PROJECT TITLE Heating Plant

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 821	7. PROJECT NUMBER 1349	8. PROJECT COST ($000) Auth 2,550 Approp 2,550

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,641
Central Heat Plant (10MB)	LS	-	-	(448)
Fuel Storage & Fuel Line	LS	-	-	(158)
Sewage Lift Station	LS	-	-	(155)
Sewer Lift Lines (Pressure)	LS	-	-	(158)
Retention Basins	LS	-	-	(604)
See Cost Estimates (Continued)				(118)
Supporting Facilities				665
Electric Service	LS	-	-	(108)
Water, Sewer & Gas	LS	-	-	(260)
Paving, Walks, Curbs & Gutters	LS	-	-	(11)
Storm Drainage	LS	-	-	(71)
Site Improvement	LS	-	-	(54)
Communication	LS	-	-	(154)
Fencing	LS	-	-	(7)
Subtotal				2,306
Contingency (5.00%)				115
Total Contract Cost				2,421
Supervision, Inspection & Overhead (5.50%)				133
Total Request				2,554
Total Request (Rounded)				2,550
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a central heating plant. Work to include a transformer station, water supply system, sewage system, roads, and fuel station.

11. REQUIREMENT: 10 MB ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a central heat plant.

REQUIREMENT: This project is required to furnish utilities, paving, and heating in support of facilities for a PATRIOT Battalion committed to NATO and an Air Defense Brigade Headquarters. The PATRIOT Air Defense Missile System is scheduled to be stationed in the Bitburg area and a Brigade Headquarters is also scheduled for this area.

CURRENT SITUATION: No facilities are currently available at Bitburg Airbase and none are expected to become available in the future that can satisfy the requirements for this project.

IMPACT IF NOT PROVIDED: If this project is not provided the new PATRIOT facilities to be constructed will not have the required supporting utility systems, which may prevent the stationing of the unit in the Bitburg area.

ADDITIONAL: This project is eligible for NATO Infrastructure common funding and the figures presented represent the U.S. share.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Bitburg, Germany

4. PROJECT TITLE	5. PROJECT NUMBER
Heating Plant	1349

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
POL Separator	LS	-	-	59
Outflow Structure	LS	-	-	59
			Total	118

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....APR 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 87
(b) All Other Design Costs 146
(c) Total Cost 233
(d) Contract 143
(e) In-house 90

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Grossauheim Kaserne Hanau, Germany	4.PROJECT TITLE Facility Modernization

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1350	8.PROJECT COST ($000) Auth 11,000 Approp 11,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,670
Vehicle Maintenance Shop, Orgn	SF	40,565	84.50	(3,428)
Deployment Equip Storage Bldgs	SF	6,300	28.00	(176)
Building Modernization	SF	29,348	45.38	(1,332)
Building Addition	SF	12,897	115.00	(1,483)
Hardstands	SY	23,538	35.70	(840)
See Cost Estimates (Continued)				(411)
Supporting Facilities				2,346
Electric Service	LS	-	-	(270)
Water, Sewer & Gas	LS	-	-	(84)
Steam, Chilled Water & Heat Distribution	LS	-	-	(93)
Paving, Walks, Curbs & Gutters	LS	-	-	(117)
Storm Drainage	LS	-	-	(1,059)
Site Improvement (484) Demolition (180)	LS	-	-	(664)
Communication	LS	-	-	(12)
POL Separator w/slit trap	LS	-	-	(47)
Subtotal				10,016
Contingency (5.00%)				501
Total Contract Cost				10,517
Supervision, Inspection & Overhead (5.50%)				578
Total Request				11,095
Total Request (Rounded)				11,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a vehicle maintenance shop, two (2) deployment storage buildings, modernize and construct an addition to Building 605 for storage of food. The vehicle maintenance shop will include forty (40) maintenance bays, two (2) tire/generator bays, 10-ton bridge cranes, compressed air system and space for storage, latrines, lockers, laundries and administrative and mechanical space. Work to include utilities, standby generator, alarm system and security fence/lighting/gates, hardstand, roads, parking, loading ramps, communications. Heat will be provided from the central heating plant. Demolition of six (6) buildings (35,202 SF), a loading/unloading dock, fire protection pond and four (4) open storage areas.

11. REQUIREMENT: 239,321 SF ADEQUATE: None SUBSTANDARD: 194,331 SF

PROJECT: Construct a vehicle maintenance shop and deployment equipment storage space.

REQUIREMENT: This project is required to provide adequate maintenance facilities, hardstand and supply facilities for the 503d Supply and Transportation Battalion and the 8th Maintenance Battalion to perform operators and organizational maintenance on organic equipment. This facility will service 4 combat vehicles, 130 tactical vehicles, 168 trailers and 4 fuel vehicles. Class I storage is required for non-perishable and semi-perishable

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Grossauheim Kaserne, Hanau, Germany

4.PROJECT TITLE Facility Modernization	5.PROJECT NUMBER 1350

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Apron	SY	11,520	35.70	411
			Total	411

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued) foods.

CURRENT SITUATION: Maintenance is presently being performed by the 8th Maintenance Battalion in diverted General Support (GS) maintenance facilities, in maintenance tents and outside on unimproved areas. Company A, 503d Supply and Transportation Battalion is currently dispersed in several locations. Current shortfalls in facilities and combat readiness consideration require stationing the entire 503d Supply and Transportation Battalion in Hanau, which has no available maintenance facilities. Non-perishable and semi-perishable foods are being stored, maintained and issued from buildings which have structural, safety and refrigeration deficiencies.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate maintenance facilities will not be available adversely affecting equipment condition and combat readiness.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $400,000 based on awarding a single construction contract for this project with project number 2132 at Buedingen Airfield, Hanau, Germany. This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUL 85

(b) Percent Complete As Of January 1986 50

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___

(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 170

(b) All Other Design Costs 355

(c) Total Cost 525

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Grossauheim Kaserne, Hanau, Germany		
4.PROJECT TITLE Facility Modernization		5.PROJECT NUMBER 1350

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued) ($000)

(d) Contract 268

(e) In-house 257

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Lampertheim Tng Area Mannheim, Germany	4.PROJECT TITLE Range Complex

5.PROGRAM ELEMENT 22393A	6.CATEGORY CODE 179	7.PROJECT NUMBER 1353	8.PROJECT COST ($000) Auth 2,450 Approp 2,450

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,722
Range Support Building	SF	2,500	93.31	(233)
Guard House	SF	130	67.14	(9)
Bullet Impact Indicator Bldg	SF	266	90.46	(24)
Obs Twr, Tank Gunnery Rng 23'	EA	1	27,374	(27)
Obs Twr, Grenade Launcher 18'	EA	1	32,849	(33)
See Cost Estimates (Continued)				(1,396)
Supporting Facilities				473
Electric Service	LS	-	-	(84)
Water, Sewer & Gas	LS	-	-	(5)
Steam, Chilled Water & Heat Distribution	LS	-	-	(7)
Site Improvement	LS	-	-	(314)
Communication	LS	-	-	(63)
Subtotal				2,195
Contingency (5.00%)				110
Total Contract Cost				2,305
Supervision, Inspection & Overhead (5.50%)				127
Total Request				2,432
Total Request (Rounded)				2,450
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a range complex to include a Grenade Launcher Range, Known-Distance (KD) Range, 1/60th Scale Tank Range, and upgrade two existing 25 meter ranges. Additional work includes a Range Support Building with an open classroom to accommodate 60 personnel, target repair and maintenance, mechanical and toilet rooms and an administration office. Support facilities include utilities, oil storage, parking, roads, fencing, bleachers, flagpoles, communications and site improvements. Heating by self-contained system.

11. REQUIREMENT: 5 EA ADEQUATE: None SUBSTANDARD: 5 EA

PROJECT: Construct a range complex.

REQUIREMENT: This project is required to provide a consolidated training facility to train an estimated 11,000 military personnel per year. Range control and operations personnel requirements will be reduced from six to two. Control over live fire exercises will be increased ensuring that safe training is conducted.

CURRENT SITUATION: The existing ranges are situated in unfavorable locations. The existing range facilities, located in four different areas, can provide training support for a maximum of 6,000 troops per year. The remaining 5,000 troops must be trained at other USAREUR major training areas

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Lampertheim Tng Area, Mannheim, Germany		
4.PROJECT TITLE Range Complex		5.PROJECT NUMBER 1353

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Bleachers for 25 PN	EA	1	17,495	17
Bleachers for 50 PN	EA	1	26,302	26
Bleachers for 75 PN	EA	2	34,991	70
Exterior Lighting for Buildings	LS	-	-	7
Ranges, 4 ea	LS	-	-	757
Pavements	LS	-	-	519
			Total	1,396

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued) that are between 3-6 hours one way travel distance from Mannheim. The 1/60th Scale Tank Range is currently not in use due to extensive uncontrollable vandalism. The KD Range requires 10 personnel to operate the antiquated pull type target system and is therefore not used as a full 300 meter known distance range. Consequently the KD range is currently used as a 25 meter range.

IMPACT IF NOT PROVIDED: If this project is not provided, the units stationed in the Mannheim Military Community will not be able to meet established standards for annual qualification and sustainment with individual and crew served weapons and systems for an estimated 11,000 military personnel per year.

ADDITIONAL: This project is not within an established category for NATO Infrastructure common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  - (1) Status:
    - (a) Date Design Started .... OCT 85
    - (b) Percent Complete As Of January 1986 35
    - (c) Percent Complete As Of October 1986 100
    - (d) Date Design Complete .... AUG 86
  - (2) Basis:
    - (a) Standard or Definitive Design - Yes ___ No ___
    - (b) Where Design Was Most Recently Used ______________
  - (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    - (a) Production of Plans and Specifications 45
    - (b) All Other Design Costs 91
    - (c) Total Cost 136
    - (d) Contract 76
    - (e) In-house 60

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Lampertheim Tng Area, Mannheim, Germany		
4.PROJECT TITLE Range Complex		5.PROJECT NUMBER 1353

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Betts Hsg Frankfurt, Germany	4.PROJECT TITLE Crime Laboratory Modernization/Addition

5.PROGRAM ELEMENT 91520A	6.CATEGORY CODE 141	7.PROJECT NUMBER 1355	8.PROJECT COST ($000) Auth 3,500 Approp 3,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,927
Building Renovation	SF	20,703	56.32	(1,166)
Building Annex (New)	SF	17,403	101.17	(1,761)
Supporting Facilities				253
Water, Sewer & Gas	LS	-	-	(34)
Steam, Chilled Water & Heat Distribution	LS	-	-	(80)
Paving, Walks, Curbs & Gutters	LS	-	-	(59)
Storm Drainage	LS	-	-	(6)
Site Improvement (32) Demolition (24)	LS	-	-	(56)
Communication	LS	-	-	(18)
Subtotal				3,180
Contingency (5.00%)				159
Total Contract Cost				3,339
Supervision, Inspection & Overhead (5.50%)				184
Total Request				3,523
Total Request (Rounded)				3,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Renovate and construct an addition to Building PB272. The completed building will accommodate laboratory work area, storage, reception, interview rooms, latrines, evidence room, lab equipment wash rooms, supply room, mechanical room, work shop, break area, firing range, library, mail room, conference/classroom, word processing area, instruments area and photography work areas. Work will include lab desks, gas exhaust units, separate ventilation and air conditioning systems, emergency shower, eye shower, heating plant, gas bottle station, electrical distribution panel, security bars, blinds and blackout shutters, alarm system, smoke detectors and telephone system. Support facilities include relocation of utility lines, construction of a chemical tank, utility link-ups, exterior lighting, parking and site improvements. Accessibility for the handicapped will be provided. Air conditioning: 25 tons. Mechanical ventilation: 167,000 CFM.

11. REQUIREMENT: 39,435 SF ADEQUATE: None SUBSTANDARD: 27,814 SF

PROJECT: Renovate and construct an addition to a forensic laboratory.

REQUIREMENT: This project is required to correct numerous facility deficiencies. The lack of adequate space coupled with the severely restrictive traffic pattern in the existing structure results in increased time spent in moving evidence from one area to another and increases the

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		14 FEB 86

3. INSTALLATION AND LOCATION

Betts Hsg, Frankfurt, Germany

4. PROJECT TITLE	5. PROJECT NUMBER
Crime Laboratory Modernization/Addition	1355

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
possibility of repeating laboratory tests due to contamination or excessive time lapses. The addition of a wing specifically designed as a forensic Chemistry and Serology laboratory will alleviate the overcrowding and allow for the proper alignment of functions. Also the new addition will incorporate all of the required OSHA and safety requirements so critical to this type of function.

CURRENT SITUATION: The current facility, a converted barracks building, does not provide adequate gross floor space, nor lend itself to a configuration required to house a forensic laboratory. The three story building constructed in the 1930s has begun to rapidly deteriorate. The heating, and electrical systems are outdated and inadequate. The windows and walls have advanced to the stage of severe dry rot. Frequent flooding of the lower level has caused severe problems in the firearms division. Overcrowding has created severe traffic and safety hazards.

IMPACT IF NOT PROVIDED: If this project is not provided, the current facility will continue to deteriorate, and operational areas will remain degraded. Modernization of the laboratory's equipment to provide current state-of-the-art forensic scientific examinations will cease or be seriously curtailed.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	APR 85
(b) Percent Complete As Of January 1986	35
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	55
(b) All Other Design Costs	131
(c) Total Cost	186
(d) Contract	91
(e) In-house	95

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Betts Hsg, Frankfurt, Germany		
4.PROJECT TITLE Crime Laboratory Modernization/Addition		5.PROJECT NUMBER 1355

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... DEC 86 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Anderson Barracks Bad Kreuznach, Germany	4.PROJECT TITLE Facility Modernization

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1375	8.PROJECT COST ($000) Auth 10,200 Approp 10,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,582
Vehicle Maintenance Shop	SF	33,360	95.22	(3,177)
Maintenance Sheds	SF	43,091	17.86	(769)
Deployment Equipment Storage	SF	4,192	23.81	(100)
Concrete Hardstand	SY	10,950	35.71	(391)
Wash Rack	LS	-	-	(912)
See Cost Estimates (Continued)				(1,233)
Supporting Facilities				2,687
Electric Service	LS	-	-	(206)
Water, Sewer & Gas	LS	-	-	(814)
Steam, Chilled Water & Heat Distribution	LS	-	-	(175)
Paving, Walks, Curbs & Gutters	LS	-	-	(40)
Storm Drainage	LS	-	-	(549)
Site Improvement (488) Demolition (195)	LS	-	-	(683)
Communication	LS	-	-	(22)
Gasoline Separators	LS	-	-	(198)
Subtotal				9,269
Contingency (5.00%)				463
Total Contract Cost				9,732
Supervision, Inspection & Overhead (5.50%)				535
Total Request				10,267
Total Request (Rounded)				10,200
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a tactical equipment shop with three (3) 10-ton bridge cranes, a deployment equipment storage building, a 6-position washrack with spray booth, a post fuel station with a capacity of 66,043 gallons (250,000 Liters) of diesel with 2 double high pressure fuel pumps and 1,320 gallons (5,000 liters) of MOGAS with 1 single fuel pump. Expand the central heating plant. Supporting facilities include all utilities and concrete apron, hardstand, and parking, security fences, lighting, and gates, street lighting, POL separator, site work, communications and a sound barrier wall which is required to separate this project from the adjoining U.S. housing area. Demolish 5 buildings, (17,993 SF) and one (1) washrack. Mechanical ventilation 71,000 CFM.

11. REQUIREMENT: 32,507 SF ADEQUATE: None SUBSTANDARD: 14,001 SF

PROJECT: Construct a vehicle maintenance shop, a deployment equipment storage building, concrete hardstand, two (2) greaseracks, three (3) maintenance sheds, a compressed gas storage shed, a washrack and fuel station.

REQUIREMENT: This project is required to provide adequate maintenance facilities, hardstand, and storage to support 93 combat vehicles, 89 engineer vehicles, 192 tactical vehicles, 135 trailers and 24 fuel vehicles.

CURRENT SITUATION: Organizational maintenance is presently being performed

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391

1.COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2.DATE
14 FEB 86

3.INSTALLATION AND LOCATION
Anderson Barracks, Bad Kreuznach, Germany

4.PROJECT TITLE
Facility Modernization

5.PROJECT NUMBER
1375

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Fuel Station	LS	-	-	201
Grease Racks	EA	2	60,700	121
Concrete Apron	SY	11,912	35.71	425
Expand Central Heating Plant	LS	-	-	309
Sound Attenuation Wall	LF	1,558	113.37	177
			Total	1,233

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

in Building 6311 (9,997 SF) and outside on unimproved areas. This building was constructed in 1952 for non-mechanized units and does not meet current safety, health, fire protection, and pollution abatement requirements, and cannot accomodate large tactical, combat or engineer vehicles. The building has substandard floors and inefficient exhaust systems. Existing office and storage spaces are too small. Vehicles are parked, and operators maintenance performed, on unimproved dirt and gravel surfaces. The present fuel station consists of one (1) low pressure diesel and one (1) low pressure MOGAS pump. Vehicle wash facilities consist of a low pressure garden hose and washrack, which requires many manhours to keep the vehicles clean.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate maintenance and storage facilities, hardstand, and refueling will not be available, adversely affecting equipment condition and combat readiness. The continued use of the existing facilities will further increase operational costs, weaken troop morale, and lower mission effectiveness below an acceptable level. The existing facilities will continue to deteriorate, eventually becoming unusable.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  (1) Status:
    (a) Date Design Started ....MAY 85
    (b) Percent Complete As Of January 1986 40
    (c) Percent Complete As Of October 1986 100
    (d) Date Design Complete ....JUL 86

  (2) Basis:
    (a) Standard or Definitive Design - Yes X No ___
    (b) Where Design Was Most Recently Used Gerszewski Bks. Karlsru

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Anderson Barracks, Bad Kreuznach, Germany

4.PROJECT TITLE Facility Modernization	5.PROJECT NUMBER 1375

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3)	Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a)	Production of Plans and Specifications	160
(b)	All Other Design Costs	341
(c)	Total Cost	501
(d)	Contract	260
(e)	In-house	241
(4)	Construction Start	FEB 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Conn Barracks Schweinfurt, Germany	4.PROJECT TITLE Facility Modernization Phase IV

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1378	8.PROJECT COST ($000) Auth 8,500 Approp 8,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,339
Vehicle Maintenance Shop	SF	27,650	74.65	(2,064)
Deployment Equip Storage Bldg(8)	SF	12,449	29.76	(370)
Maintenance Sheds (6)	SF	85,332	17.86	(1,524)
Concrete Hardstand	SY	37,440	35.70	(1,337)
Concrete Apron	SY	26,400	35.70	(943)
See Cost Estimates (Continued)				(101)
Supporting Facilities				1,378
Electric Service	LS	-	-	(39)
Water, Sewer & Gas	LS	-	-	(418)
Steam, Chilled Water & Heat Distribution	LS	-	-	(20)
Paving, Walks, Curbs & Gutters	LS	-	-	(121)
Storm Drainage	LS	-	-	(150)
Site Improvement (210) Demolition (223)	LS	-	-	(433)
Communication	LS	-	-	(6)
Security Fences/Lights/Gates	LS	-	-	(191)
Subtotal				7,717
Contingency (5.00%)				386
Total Contract Cost				8,103
Supervision, Inspection & Overhead (5.50%)				446
Total Request				8,549
Total Request (Rounded)				8,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a vehicle maintenance shop, an electronics shop with Class A vault and Class V door and intrusion detection system (IDS), eight (8) deployment equipment storage buildings with fire protection/alarm systems, a 2-position covered grease rack, and six (6) maintenance sheds with concrete floors. Also construct concrete hardstand, aprons and access roads, and install security fences and lighting. Heat from a central heat plant (PN 034, FY 87). Demolish three (3) buildings and part of another (6,200 SF). Mechanical ventilation: 55,000 CFM.

11. REQUIREMENT: 185,821 SF ADEQUATE: 34,793 SF SUBSTANDARD: 90,288 SF

PROJECT: Construct a vehicle maintenance shop, eight (8) deployment equipment storage buildings, and six (6) maintenance sheds.

REQUIREMENT: This project is required to provide adequate maintenance, storage, administrative facilities, and parking to service 131 combat vehicles. This project is also required to provide deployment equipment storage for all units stationed at Conn Barracks.

CURRENT SITUATION: Existing vehicle maintenance facilities are outdated and too small to support the requirements of a modern army. The acute lack of adequate space, inefficient layout, poor lighting, heating, ventilation and restricting access are all factors that hamper maintenance operations directly

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Conn Barracks, Schweinfurt, Germany		
4.PROJECT TITLE Facility Modernization Phase IV		5.PROJECT NUMBER 1378

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Grease Rack	LS	-	-	95
IDS (Installation Cost Only)	LS	-	-	6
			Total	101

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
impacting on the combat readiness and mission performance of the units. Diverted hangar space, totally unsuitable for combat vehicles, is being used for this purpose. The lack of adequate maintenance facilities drastically reduces the efficiency of new systems.

IMPACT IF NOT PROVIDED: If this project is not provided, units will continue to perform their maintenance operations out of the existing aged and substandard facilities. The prevailing lack of adequate vehicle maintenance facilities, hardstands, and storage facilities will steadily reduce the operational capabilities of these units, severely affecting the mission performance and combat readiness of all units. The efficiency of operations will be further depleted with the effect that the continued use of substandard facilities and poor working conditions will have on troop morale. If the presently used hangar is not vacated, the 2d Battalion, 7th Cavalry air troops cannot be activated.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $900,000 based on awarding a single construction contract for this project with project numbers 34 and 2288 at Conn Barracks, Schweinfurt, Germany. This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  (1) Status:
    (a) Date Design Started .... JUN 85
    (b) Percent Complete As Of January 1986 40
    (c) Percent Complete As Of October 1986 100
    (d) Date Design Complete .... AUG 86

  (2) Basis:
    (a) Standard or Definitive Design - Yes ___ No X
    (b) Where Design Was Most Recently Used N/A

  (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    (a) Production of Plans and Specifications 174
    (b) All Other Design Costs 308

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Conn Barracks, Schweinfurt, Germany

4.PROJECT TITLE	5.PROJECT NUMBER
Facility Modernization Phase IV	1378

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3) Total Cost: (Continued) ($000)

(c) Total Cost 482

(d) Contract 289

(e) In-house 193

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Ferris Barracks Nuernberg, Germany	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 721	7.PROJECT NUMBER 1381	8.PROJECT COST ($000) Auth 5,500 Approp 5,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,229
Barracks	SF	63,200	56.54	(3,573)
Company Administration (2)	SF	11,200	56.54	(633)
IDS (Installation Cost Only)	LS	-	-	(23)
Supporting Facilities				753
Electric Service	LS	-	-	(38)
Water, Sewer & Gas	LS	-	-	(106)
Steam, Chilled Water & Heat Distribution	LS	-	-	(51)
Paving, Walks, Curbs & Gutters	LS	-	-	(240)
Storm Drainage	LS	-	-	(97)
Site Improvement	LS	-	-	(101)
Communication	LS	-	-	(11)
Dud Removal	LS	-	-	(109)
Subtotal				4,982
Contingency (5.00%)				249
Total Contract Cost				5,231
Supervision, Inspection & Overhead (5.50%)				288
Total Request				5,519
Total Request (Rounded)				5,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a barracks with administration and storage space. Work to include all required utilities and connections, fire detection/alarm system, intruder detection system (IDS) access road, paving, parking and dud removal. Heating will be provided from a central plant. Mechanical ventilation: 190,000 CFM.

11. REQUIREMENT: 2,463 PN ADEQUATE: 1,766 PN SUBSTANDARD: None

PROJECT: Construct a barracks with company administrative and storage space.

REQUIREMENT: This project is required to provide adequate housing for 216 E1-E4, 42 E5-E7, 4 E7-E9 (intended utilization), with a maximum utilization of 316.

CURRENT SITUATION: Increased ammunition requirements exceed the capability of existing units which necessitates activation of a new ordnance company. Existing bachelor housing at Ferris Barracks is already being used beyond its capacity. Addition of Forward Support Battalion (FSB) personnel in 1984 and ammunition company personnel in 1985 have made existing crowded conditions much worse.

IMPACT IF NOT PROVIDED: If this project is not provided, the ordnance company and FSB personnel will be forced to live in permanently overcrowded

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Ferris Barracks, Nuernberg, Germany		
4. PROJECT TITLE Barracks		5. PROJECT NUMBER 1381

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
barracks. This situation will be detrimental to morale and can possibly lower the readiness of the 1st Armored Division Brigade stationed at Erlangen.
ADDITIONAL: This project is not eligible for common NATO Infrastructure Category (including the Reinforcement Support Category), nor is it anticipated that it will become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... JUN 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 91
(b) All Other Design Costs 186
(c) Total Cost 277
(d) Contract 146
(e) In-house 131

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Baumholder Hospital Baumholder, Germany	4.PROJECT TITLE Child Development Center

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 740	7.PROJECT NUMBER 1382	8.PROJECT COST ($000) Auth 2,000 Approp 2,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,384
Child Development Center	SF	15,150	83.32	(1,262)
Playground	LS	-	-	(120)
Outdoor Storage	LS	-	-	(2)
Supporting Facilities				442
Electric Service	LS	-	-	(99)
Water, Sewer & Gas	LS	-	-	(77)
Paving, Walks, Curbs & Gutters	LS	-	-	(82)
Site Improvement	LS	-	-	(167)
Communication	LS	-	-	(17)
Subtotal				1,826
Contingency (5.00%)				91
Total Contract Cost				1,917
Supervision, Inspection & Overhead (5.50%)				105
Total Request				2,022
Total Request (Rounded)				2,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a standard design, semi-permanent child development center. Specific use areas include reception, office space, staff lounge and work room, storage, laundry room, and kitchen. Support facilities include a playground, roads, parking, fence, landscaping and site improvements. Heating will be by self-contained system. Accessibility for the handicapped will be provided. Mechanical ventilation: 74,000 CFM.

11. REQUIREMENT: 115,200 SF ADEQUATE: 23,058 SF SUBSTANDARD: 19,809 SF

PROJECT: Construct a child development facility.

REQUIREMENT: This project is required to provide child support services to 198 children, ages 6 weeks to 6 years. The project will provide a centralized facility for the community and will supplement part-day centers in each of the two housing areas. It will replace the current facility which is located in diverted space of a medical treatment facility and which may be converted back to hospital use in 1988.

CURRENT SITUATION: The Baumholder military community has a need for 1,536 spaces for children requiring care during normal daytime hours. Current adequate facilities have a capacity of 351 program spaces. Current inadequate facilities can accommodate 180 children. Deficiencies identified were the inadequacy of space, lack of direct exits to the outside and lack of one hour

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Baumholder Hospital, Baumholder, Germany		
4. PROJECT TITLE Child Development Center		5. PROJECT NUMBER 1382

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
fire rated walls between activity spaces. Additionally, there is a strong possibility that 7th Medical Command may convert the 30th Field Hospital into a medical activity which has in-patient care which would require a dining facility to support this care. Family child care is not a viable option as only the first and second floors of each set of family quarters can be used within this community. There are no alternative facilities within the German community. German kindergartens have long waiting lists and discourage use by non-German speaking children.
IMPACT IF NOT PROVIDED: If this project is not provided, only limited child care will continue to be available. If the hospital converts space currently being used for day care and drop-in services, there would be no child care for infants and toddlers within the Baumholder community. No other facilities within this community can be diverted for use for children under three years of age without substantial renovation. Consequently, more than 120 children would be denied service. Mission readiness would be seriously jeopardized by creating a conflict for parents between family and job.
ADDITIONAL: This project is not eligible for established NATO Infrastructure Category for common funding nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:

(a) Date Design Started	JUL 85
(b) Percent Complete As Of January 1986	35
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	JUN 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	30
(b) All Other Design Costs	60
(c) Total Cost	90
(d) Contract	48
(e) In-house	42

(4) Construction Start .... DEC 86 (month & year)

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Baumholder Hospital, Baumholder, Germany

4. PROJECT TITLE Child Development Center	5. PROJECT NUMBER 1382

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fliegerhorst Airfield Kaserne Hanau, Germany	4. PROJECT TITLE Hardstand

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 852	7. PROJECT NUMBER 1385	8. PROJECT COST ($000) Auth 2,500 Approp 2,500

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,589
Concrete Hardstand	SY	28,883	35.70	(1,031)
Maintenance Shed	SF	14,484	17.86	(259)
Concrete Apron	SY	1,645	35.70	(59)
Gasoline Separator	LS	-	-	(151)
Oil Storage Tanks	EA	3	9,521	(29)
See Cost Estimates (Continued)				(60)
Supporting Facilities				683
Electric Service	LS	-	-	(93)
Water, Sewer & Gas	LS	-	-	(126)
Paving, Walks, Curbs & Gutters	LS	-	-	(79)
Storm Drainage	LS	-	-	(212)
Site Improvement (103) Demolition (6)	LS	-	-	(109)
Security Fencing/Lighting	LS	-	-	(64)
Subtotal				2,272
Contingency (5.00%)				114
Total Contract Cost				2,386
Supervision, Inspection & Overhead (5.50%)				131
Total Request				2,517
Total Request (Rounded)				2,500
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a concrete hardstand for tactical equipment vehicle parking, a maintenance shed with concrete apron and floor, and an aircraft washing apron. Demolish two (2) buildings (1,156 SF).

11. REQUIREMENT: 71,864 SY ADEQUATE: 3,825 SY SUBSTANDARD: 68,039 SY

PROJECT: Construct a concrete hardstand, a maintenance shed and an aircraft washing apron.

REQUIREMENT: This project is required to provide tactical equipment vehicle parking, a maintenance shed for vehicles assigned to units stationed at Fliegerhorst Kaserne and an aircraft washing apron.

CURRENT SITUATION: Vehicles are currently parked and operator's maintenance performed on unimproved dirt and gravel parking areas. Lack of drainage system results in significant water accumulation in parking areas. Gravel is subject to POL spills resulting in soil and ground water contamination. Gravel is continually dug up and subjected to the elements causing operators to work in mud or dust. There is no aircraft washing apron. Aircraft are currently washed by garden hose hooked up to the closest available water line. This method causes corrosion damage and unsafe operating conditions on aircraft maintenance ramps and parked aircraft where washing must be performed. Oils and fuels washed from aircraft cause soil and ground water

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 86

3. INSTALLATION AND LOCATION

Fliegerhorst Airfield Kaserne, Hanau, Germany

4. PROJECT TITLE	5. PROJECT NUMBER
Hardstand	1385

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Washrack Area	SY	1,670	35.70	60
			Total	60

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued) contamination.

IMPACT IF NOT PROVIDED: If the project is not provided, equipment condition, operator safety, and combat readiness will be adversely affected. Military personnel will continue to maintain vehicles on dust/mud covered unimproved parking areas. Additional manhours will be expended keeping vehicles clean. Aircraft will be washed in unauthorized areas, causing unsafe operating conditions and damage to aircraft.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... JUL 85
(b) Percent Complete As Of January 1986 45
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 41
(b) All Other Design Costs 89
(c) Total Cost 130
(d) Contract 73
(e) In-house 57

(4) Construction Start .... DEC 86
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Fliegerhorst Airfield Kaserne, Hanau, Germany

4.PROJECT TITLE Hardstand	5.PROJECT NUMBER 1385

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Graves Barracks Aschaffenburg, Germany	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1386	8.PROJECT COST ($000) Auth 3,350 Approp 3,350

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,265
Tactical Equipment Shop	SF	12,525	83.32	(1,044)
Deployment Equip Stg Bldgs(2ea)	SF	10,000	23.81	(238)
Concrete Hardstand/Apron	SY	23,322	35.71	(833)
Pol Separators	LS	-	-	(52)
Compressed Gas Storage	SF	600	32.14	(19)
See Cost Estimates (Continued)				(79)
Supporting Facilities				780
Electric Service	LS	-	-	(19)
Water, Sewer & Gas	LS	-	-	(49)
Steam, Chilled Water & Heat Distribution	LS	-	-	(14)
Storm Drainage	LS	-	-	(302)
Site Improvement (208) Demolition (183)	LS	-	-	(391)
Communication	LS	-	-	(5)
Subtotal				3,045
Contingency (5.00%)				152
Total Contract Cost				3,197
Supervision, Inspection & Overhead (5.50%)				176
Total Request				3,373
Total Request (Rounded)				3,350
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a tactical equipment shop, with fire protection and alarm system, two (2) Deployment Equipment Storage buildings (3,500 SF and 4,900 SF), and a concrete hardstand apron. Demolish four (4) buildings (28,085 SF). Supporting facilities include utilities and expansion of the existing heating plant. Mechanical ventilation: 25,000 CFM.

11. REQUIREMENT: 31,267 SF ADEQUATE: 18,742 SF SUBSTANDARD: 18,460 SF

PROJECT: Construct a tactical equipment shop.

REQUIREMENT: This project is required to provide adequate maintenance facilities, and concrete hardstand for nine combat vehicles, 158 tactical vehicles, 109 trailers and 6 fuel vehicles. The Deployment Equipment Storage Buildings are required for the storage of camouflage nets, tentage, generators, truck tarps/bows, tire chains and pioneer tools.

CURRENT SITUATION: Organizational vehicle maintenance is currently performed in a building that was built in 1937 as a motor repair shop and is not adequate for todays larger vehicles (2-1/2 ton or larger), nor does it have adequate heating, lighting or utilities. No other building is available within which to perform 3d Support Battalion's organization maintenance. Storage of equipment and supplies is done inside which takes away maintenance space, or is done out of doors.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Graves Barracks, Aschaffenburg, Germany		
4. PROJECT TITLE Tactical Equipment Shop		5. PROJECT NUMBER 1386

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Heat Plant Expansion	LS	-	-	79
			Total	79

IMPACT IF NOT PROVIDED: If this project is not provided, all vehicles will be required to park on an existing grass covered ballfield, and maintenance will be done outside. Continued use of existing facilities which will not accommodate large vehicles will increase operational costs and weaken troop morale and mission effectiveness below acceptable levels.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85

(b) Percent Complete As Of January 1986 45

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___

(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 52

(b) All Other Design Costs 116

(c) Total Cost 168

(d) Contract 92

(e) In-house 76

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Warner Barracks Bamberg, Germany		4.PROJECT TITLE Facility Modernization	
5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1387	8.PROJECT COST ($000) Auth 18,000 Approp 18,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				13,211
Vehicle Maint Shop, DS	SF	47,500	65.46	(3,109)
Vehicle Maint Shop, Orgn	SF	12,525	63.09	(790)
Concrete Apron	SY	38,972	35.71	(1,392)
Support Maint Whse w/Bt Shp	SF	13,000	53.56	(696)
Metal/Woodworking/Canvas	SF	16,000	53.56	(857)
See Cost Estimates (Continued)				(6,367)
Supporting Facilities				3,260
Electric Service	LS	-	-	(180)
Water, Sewer & Gas	LS	-	-	(537)
Steam, Chilled Water & Heat Distribution	LS	-	-	(287)
Paving, Walks, Curbs & Gutters	LS	-	-	(667)
Storm Drainage	LS	-	-	(778)
Site Improvement (719) Demolition (68)	LS	-	-	(787)
Communication	LS	-	-	(24)
Subtotal				16,471
Contingency (5.00%)				824
Total Contract Cost				17,295
Supervision, Inspection & Overhead (5.50%)				951
Total Request				18,246
Total Request (Rounded)				18,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct two (2) vehicle maintenance shops, a support maintenance warehouse with battery renovation shop, a multi-purpose warehouse, a deployment equipment storage building, three (3) vehicle maintenance sheds, a metal/woodworking/canvas shop, a compressed gas storage shed and concrete hardstand. Convert one building to a support maintenance shop. Project includes a 35-ton bridge crane, fire protection/alarm systems, intrusion detection system (IDS), POL separator, showers, laundry, communications, repair/storage and utility hook-ups. Heating will be provided from the central plant. Demolish part of one building (16,000 SF) and seal. Mechanical ventilation: 152,000 CFM.

11. REQUIREMENT: 425,619 SF ADEQUATE: 21,000 SF SUBSTANDARD: 343,484 SF

PROJECT: Construct two (2) vehicle maintenance shops, a metal/woodworking/canvas shop, a support maintenance warehouse, a deployment equipment storage building, a compressed gas storage shed, a warehouse, three (3) maintenance sheds, concrete hardstand and convert one building to a support maintenance shop.

REQUIREMENT: This project is required to provide adequate maintenance and supply facilitites and hardstand for nine (9) combat vehicles, 100 tactical vehicles, 90 trailers, 123 commercial vehicles, and 19 fuel vehicles of the

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Warner Barracks, Bamberg, Germany		
4.PROJECT TITLE Facility Modernization		5.PROJECT NUMBER 1387

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Convert Building	SF	19,486	20.23	394
Class I, II & IV Warehouse	SF	47,877	78.57	3,761
Deployment Equip Storage Bldg	SF	3,500	27.37	96
Vehicle Maintenance Sheds	SF	40,800	17.86	729
Compressed Gas Storage Shed	SF	1,600	29.76	48
Concrete Hardstand	SY	32,946	35.71	1,177
Gate House	EA	2	29,753	60
Guard Tower	EA	1	29,753	30
IDS (Installation Cost Only)	LS	-	-	72
			Total	6,367

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued) 3rd Brigade, 1st Armored Division and the Transportation Motor Pool.

CURRENT SITUATION: The existing Vehicle Maintenance Shop (Building 7102) is a diverted Organizational Vehicle Maintenance Shop which is too small to accomplish the maintenance missions. In addition, it has inadequate lighting, heat, ventilation, and will not accommodate large combat vehicles (howitzers and tanks) and is located next to the Community and Assistant Division Commanders Headquarters, which causes traffic problems and noise pollution. The Troop Issue Subsistence Activity (TISA) is utilizing space in two (2) diverted pre-World War II ammunition bunkers for storage of non-perishable food. The bunkers are unheated, lack running water and latrine facilities, are very damp and are not rodent/insect proof. Perishable food is stored in pre-fabricated refrigerators which have been placed inside a general purpose warehouse which lacks space for issue, receiving and inspection. The facilities are in different locations which causes many problems with issue, accountability and pilferage. These facilities will be retained and used as general purpose warehouses.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate maintenance and supply facilities will remain unavailable, adversely affecting equipment condition and combat readiness, jeopardizing the USAREUR mission and creating a morale, welfare, and efficiency problem.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Warner Barracks, Bamberg, Germany		
4.PROJECT TITLE Facility Modernization		5.PROJECT NUMBER 1387

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 98

(d) Date Design Complete .... OCT 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 361

(b) All Other Design Costs 630

(c) Total Cost 991

(d) Contract 557

(e) In-house 434

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Hohenfels Training Area Hohenfels, Germany	4. PROJECT TITLE Combat Maneuver Training Complex

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1399	8. PROJECT COST ($000) Auth 8,800 Approp 8,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,395
Range Operations Center	SF	18,593	102.10	(1,898)
Tactical Equipment Shop	SF	27,500	78.55	(2,160)
Storage & Maint Warehouse	SF	33,564	33.08	(1,110)
Hardstands/Aprons	SY	27,000	35.70	(964)
Conc. Pads for Stations	LS	-	-	(38)
See Cost Estimates (Continued)				(225)
Supporting Facilities				1,509
Electric Service	LS	-	-	(216)
Water, Sewer & Gas	LS	-	-	(485)
Site Improvement	LS	-	-	(487)
Communication	LS	-	-	(178)
Loading Dock (75), Fence(45)	LS	-	-	(143)
Subtotal				7,904
Contingency (5.00%)				395
Total Contract Cost				8,299
Supervision, Inspection & Overhead (5.50%)				456
Total Request				8,755
Total Request (Rounded)				8,800
Installed Equipment - Other Appropriations				(35,000)

10. Description of Proposed Construction Construct a Combat Maneuver Training Complex (CMTC) consisting of range operations center building with computer operations center, exercise management center, review control theater, training analysis center, maintenance support rooms, and administrative support with range control. Building to be environmentally controlled with an uninterruptible power supply (UPS) and alternate power supply (APS), and computer flooring. Provide fire protection and air conditioning of computer center. Heating with self-contained system. Construct a tactical equipment shop with maintenance bays, welding bays, tire/generator bay, maintenance pit, 10-ton bridge crane, battery shop and areas for oil storage, tools, parts, showers, lockers, and laundry. Construct a warehouse to provide a 14,000 SF storage area with separated bins to store equipment parts and 1,000 SF heated maintenance area, toilet facilities, and a loading dock. Include a sprinkler system and an elevated floor in the warehouse. Air conditioning: 20 tons.

11. REQUIREMENT: 57,500 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a Combat Maneuver Training Complex.

REQUIREMENT: This project is required to provide adequate facilities for training task forces and gathering data on battlefield performance including the effectiveness of organizations and combat systems under simulated

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Hohenfels Training Area, Hohenfels, Germany

4. PROJECT TITLE Combat Maneuver Training Complex	5. PROJECT NUMBER 1399

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
C-Station w/Prefab Bldg	LS	-	-	95
Conc Pylon	LS	-	-	95
POL Separators	LS	-	-	35
			Total	225

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
conditions. The Combat Maneuver Training Complex System permits performance-oriented training of high quality and great efficiency. It allows commanders to reconstruct dynamically in exact detail what happened during the engagement, understand why it happened, pinpoint errors that would be fatal in actual cbmbat, and apply the lessons learned.

CURRENT SITUATION: Currently, Hohenfels does not have Combat Maneuver Training Complex capabilities. Many manhours are devoted to collecting maneuver data. Approximately 1,000 manhours are used for referees per battalion size maneuver. The data collected and the vital experience gained through the present method of collecting maneuver data can, in no way, equal the far-reaching and dynamic capabilities of the proposed Combat Maneuver Training Complex System. Senior Commanders are not provided with real time data on force-on-force engagements as they develop in the maneuver area. After action replay of engagement data which permits detailed review of tactics, weapons employment, casualty assessment, and unit performance data is not possible. These two facilities would provide USAREUR with a dynamic unparalleled training capability.

IMPACT IF NOT PROVIDED: If this project is not provided, the effectiveness of fighting units to field and maintain new weapons systems and to train these units into modern effective fighting forces will be adversely affected.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:
  (1) Status:
    (a) Date Design Started .... APR 85
    (b) Percent Complete As Of January 1986 40
    (c) Percent Complete As Of October 1986 100
    (d) Date Design Complete .... JUN 86

  (2) Basis:
    (a) Standard or Definitive Design - Yes ___ No ___
    (b) Where Design Was Most Recently Used ______________________

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Hohenfels Training Area, Hohenfels, Germany		
4.PROJECT TITLE Combat Maneuver Training Complex		5.PROJECT NUMBER 1399

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

		($000)
(3)	Total Cost (c) = (a)+(b) or (d)+(e):	
(a)	Production of Plans and Specifications	143
(b)	All Other Design Costs	300
(c)	Total Cost	443
(d)	Contract	231
(e)	In-house	212
(4)	Construction Start	DEC 86 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Position Locator Sys	OPA	87	35000
		TOTAL	35,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	4. PROJECT TITLE Chapel/Religious Education Facility

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 730	7. PROJECT NUMBER 1400	8. PROJECT COST ($000) Auth 3,450 Approp 3,450

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,634
Chapel w/Religious Educ Fac	SF	18,300	103.50	(1,894)
Installation-Chapel (200 seat)	SF	6,500	105.00	(683)
Outdoor Playground	LS	-	-	(57)
Supporting Facilities				490
Electric Service	LS	-	-	(28)
Water, Sewer & Gas	LS	-	-	(79)
Steam, Chilled Water & Heat Distribution	LS	-	-	(27)
Paving, Walks, Curbs & Gutters	LS	-	-	(83)
Site Improvement (252) Demolition (8)	LS	-	-	(260)
Communication	LS	-	-	(8)
Dud Clearance	LS	-	-	(5)
Subtotal				3,124
Contingency (5.00%)				156
Total Contract Cost				3,280
Supervision, Inspection & Overhead (5.50%)				180
Total Request				3,460
Total Request (Rounded)				3,450
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a chapel center to include a 300-seat community chapel with a religous education/child development center for 122 children and a 200 seat unit chapel. Supporting facilities to include driveways and parking, sidewalks, landscaping, exterior lighting, site development, installation of EMCS, utilities, and communications. Demolish the existing temporary transit shed and wash platform. Dud clearance costs were considered in the cost estimate. Heat to be supplied from a central plant. Mechanical ventilation: 127,000 CFM.

11. REQUIREMENT: 770 SF ADEQUATE: 170 SF SUBSTANDARD: None

PROJECT: Construct a 300 seat community chapel with religious education facility and child development center for 122 children and a 200 seat installation chapel.

REQUIREMENT: This project is required to provide facilities for religious services and religious education for the entire installation population, which is scheduled to increase with the stationing of five battalions and associated units at Vilseck.

CURRENT SITUATION: There is presently a permanent 170-seat chapel and a small, temporary religious education facility at Vilseck. Child care services for a total of 420 children are required for this community. Support for 302

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4.PROJECT TITLE Chapel/Religious Education Facility		5.PROJECT NUMBER 1400

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
children will be provided by FY 86 MCA project PN 1218. The balance of 118 spaces will be provided by this project, scoped for the OCE standard for 122 children.
IMPACT IF NOT PROVIDED: If this project is not provided, facilities for religious services and religious education will be grossly inadequate and will have a detrimental effect on morale.
ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 53
(b) All Other Design Costs 115
(c) Total Cost 168
(d) Contract 90
(e) In-house 78

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Smith Barracks Baumholder, Germany	4.PROJECT TITLE Facility Modernization Phase IV

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1423	8.PROJECT COST ($000) Auth 12,400 Approp 12,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				9,393
Vehicle Maint Shop, Orgn & DS	SF	42,560	78.79	(3,353)
Fuel Station w/Bldg	LS	-	-	(1,833)
Concrete Hardstand	SY	37,200	35.71	(1,329)
Concrete Apron	SY	19,320	35.71	(690)
Depl Equip Stor Bldgs (4 Ea)	SF	18,200	29.76	(542)
See Cost Estimates (Continued)				(1,646)
Supporting Facilities				1,734
Electric Service	LS	-	-	(193)
Water, Sewer & Gas	LS	-	-	(165)
Steam, Chilled Water & Heat Distribution	LS	-	-	(104)
Paving, Walks, Curbs & Gutters	LS	-	-	(128)
Storm Drainage	LS	-	-	(364)
Site Improvement (571) Demolition (197)	LS	-	-	(768)
Communication	LS	-	-	(12)
Subtotal				11,127
Contingency (5.00%)				556
Total Contract Cost				11,683
Supervision, Inspection & Overhead (5.50%)				643
Total Request				12,326
Total Request (Rounded)				12,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a combined Organizational and Direct Support Vehicle Maintenance Shop with manual fire alarm system. Shop to include 34 maintenance bays, four (4) maintenance pits, tire bay, generator bay, welding bay, 10-ton bridge cranes, compressed air system with compressor, battery charging room, and space for storage, latrines, showers, lockers, laundry, and office space. Construct a post fuel station with a capacity of 317,007 gallons (1,200,000 Liters) of diesel fuel with four (4) pressure double fuel pumps, and 2,642 gallons 10,000 Liters of MOGAS with one (1) pump. Construct two (2) 4,900 SF and two (2) 4,200 SF Deployment Equipment Storage Buildings. Construct five (5) maintenance sheds for uploaded M1 Tanks, M2 and M3 Bradley Fighting Vehicles. Construct concrete hardstand, aprons, roads, parking, security fences and lighting, two (2) grease racks, a POL separator, and a loading ramp. Support facilities include all utilities and heat will be provided from the central heating plant. Demolish 19 buildings (47,965 SF), 13 gas stations, and four (4) wash platforms.

11. REQUIREMENT: 249,824 SF ADEQUATE: 118,829 SF SUBSTANDARD: 264,274 SF

PROJECT: Construct a combined Vehicle Maintenance Shop, Organizational and Direct Support, four (4) Deployment Equipment Storage Buildings, two (2) covered grease racks, concrete hardstand, and a post fuel station.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Smith Barracks, Baumholder, Germany

4.PROJECT TITLE Facility Modernization Phase IV	5.PROJECT NUMBER 1423

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Grease Racks, Covered (2 pos)	EA	2	65,461	131
POL Separator	LS	-	-	223
Maintenance Sheds (5 EA)	SF	70,235	17.86	1,254
Loading Ramp	LS	-	-	38
			Total	1,646

REQUIREMENT: This project is required to provide adequate maintenance and storage facilities, hardstand, grease racks, a post fuel station and loading ramp. This facility will service 96 combat vehicles, 268 tactical vehicles, 260 trailers, 7 fuel vehicles and 76 engineering vehicles.

CURRENT SITUATION: Organizational maintenance is performed in Building 8468 (6,188 SF) and in a diverted Spare Parts Storehouse, Building 8468A (4,607 SF). Both were constructed in 1950 for non-mechanized units and do not meet current space, safety, health, fire protection or pollution abatement requirements, and will not accommodate large tactical and engineer vehicles. The lack of lifting devices and dimensions of buildings require maintenance of most equipment to be done outside in all weather conditions on unimproved dirt and gravel surfaces. Tents, pioneer tools, camouflage nets, etc, are stored in excess vehicle maintenance facilities. These facilities require extensive repair, are not correctly located for mission accomplishment, and will be demolished by this project. There is no centralized fueling facility. Most of the existing fuel stations have been closed because of leakage and pollution problems. Refueling of vehicles must be accomplished by POL trucks, which results in safety problems, fuel spillage, and traffic congestion.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate maintenance and storage facilities, hardstand and fuel stations will not be available, adversely affecting equipment condition and combat readiness. The existing facilities will continue to deteriorate, eventually becoming unusable.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....SEP 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....AUG 86

(2) Basis:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Smith Barracks, Baumholder, Germany		
4.PROJECT TITLE Facility Modernization Phase IV		5.PROJECT NUMBER 1423

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(2) Basis: (Continued)

(a) Standard or Definitive Design - Yes ___ No ___

(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e):

		($000)
(a)	Production of Plans and Specifications	256
(b)	All Other Design Costs	491
(c)	Total Cost	747
(d)	Contract	406
(e)	In-house	341

(4) Construction Start .... DEC 86 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Ayers Kaserne Giessen, Germany	4.PROJECT TITLE Facility Modernization

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1424	8.PROJECT COST ($000) Auth 16,000 Approp 16,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				11,560
Vehicle Maintenance Shop, DS	SF	47,500	60.71	(2,884)
Vehicle Maintenance Shop, ORG	SF	12,525	61.89	(775)
Metal/Canvas/Woodwg & Comp Gas	SF	17,173	51.18	(879)
Spt Maint Whse & DS Battery Shop	SF	13,000	51.18	(665)
Deployment Equipment Storage	SF	3,500	25.00	(87)
See Cost Estimates (Continued)				(6,270)
Supporting Facilities				3,107
Electric Service	LS	-	-	(302)
Water, Sewer & Gas	LS	-	-	(886)
Steam, Chilled Water & Heat Distribution	LS	-	-	(471)
Paving, Walks, Curbs & Gutters	LS	-	-	(387)
Site Improvement (639) Demolition (64)	LS	-	-	(703)
Communication	LS	-	-	(42)
Fencing (65) Dud Clearance (200)	LS	-	-	(316)
Subtotal				14,667
Contingency (5.00%)				733
Total Contract Cost				15,400
Supervision, Inspection & Overhead (5.50%)				847
Total Request				16,247
Total Request (Rounded)				16,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a Vehicle Maintenance Shop, Direct Support, with a 35-ton crane, two (2) Class A Vaults with Class V doors equipped with an intrusion detection system (IDS) and a fire alarm system, a metal/canvas/woodworking shop, a vehicle maintenance shop, Organizational, and a support maintenance warehouse with lead acid battery renovation shop. Warehouse includes raised floor, sprinkler system, walk-in refrigerator for dry cell batteries, secure storage area for sensitive and high dollar value items, and office space. Construct a deployment equipment storage building, and two vehicle maintenance sheds with concrete floors for storage of Organizational Readiness Float (ORF). Construct concrete hardstand, apron, roads, and parking. Construct a compressed gas storage shed with industrial wood flooring for the storage of oxygen, acetylene, hydrogen, nitrogen and helium cylinders. Heat will be provided from central plant. Demolish three (3) buildings (8,463 SF). Dud clearance is required.

11. REQUIREMENT: 578,862 SF ADEQUATE: 18,100 SF SUBSTANDARD: 82,435 SF

PROJECT: Construct a vehicle maintenance shop, DS; a vehicle maintenance shop, Orgn; a metal/woodworking/canvas shop; a support maintenance warehouse with battery renovation shop; a deployment equipment storage building; a compressed gas storage shed; two grease racks; 12 maintenance sheds; concrete

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Ayers Kaserne, Giessen, Germany		
4. PROJECT TITLE Facility Modernization		5. PROJECT NUMBER 1424

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Guard Towers	EA	2	32,729	65
Concrete Hardstand & Apron	SY	62,631	35.71	2,237
Maintenance Sheds (12 each)	SF	170,664	17.86	3,047
Retention Basins	LS	-	-	504
POL Separators	LS	-	-	122
IDS (Installation Cost Only)	LS	-	-	81
Grease Racks	EA	4	53,559	214
			Total	6,270

11. REQUIREMENT: (Continued)

PROJECT: (Continued)
hardstand; apron; roads; parking; security fences/lighting/gates; and two heated guard towers.

REQUIREMENT: This project is required to provide adequate maintenance and supply facilities for the 1st Brigade, 3d Armored Division's Forward Support Battalion (FSB). Concrete hardstand is required for 11 combat vehicles, 116 tactical vehicles, 97 trailers and 17 fuel vehicles and for open storage of required parts and vehicles waiting shop and unit pick-up. Maintenance sheds are required for the covered, secured maintenance area for the ORF and the covered secured maintenance and parking areas for 192 combat vehicles (Tanks, Bradleys) uploaded with ammunition.

CURRENT SITUATION: D Company, 122d Maintenance Battalion, which provides direct support maintenance for over nine hundred wheeled and tracked vehicles, is currently co-located with the 2/32d Armored Battalion in a twenty-seven year old maintenance structure which has low ceilings and narrow bays. Due to the low ceiling, the air in the tires of five-ton trucks must be let out before the truck engine can be lifted by the six-ton overhead crane. Because of narrow bays, maintenance on tanks and howitzers is performed outdoors because sufficient work space is not available inside. The structure is not adequately heated, illuminated or ventilated, and the wiring system is faulty. Currently only 43 vehicles can be parked on the available hardstand area. D Company is currently occupying 11,093 SF of maintenance shop space versus a total requirement of 72,255 SF. No other facilities are available for these units' maintenance mission.

IMPACT IF NOT PROVIDED: If this project is not provided, the two battalions will continue to use facilities which are not adequate for one. Soldiers will continue working in facilities which are not adequately heated, illuminated or ventilated. Service members will continue to perform their mission in inefficient, cramped, and undesirable conditions. Vehicles will continue to be parked in the mud. Operational, maintenance and repair costs will continue to escalate for these badly deteriorating facilities. Maintenance required of an FSB cannot be adequately performed with the existing facilities

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Ayers Kaserne, Giessen, Germany		
4.PROJECT TITLE Facility Modernization		5.PROJECT NUMBER 1424

at this installation and mission accomplishment cannot be successfully achieved.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85

(b) Percent Complete As Of January 1986 50

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete .... APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___

(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 371

(b) All Other Design Costs 635

(c) Total Cost 1,006

(d) Contract 619

(e) In-house 387

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Mark Twain Village Housing Heidelberg, Germany	4. PROJECT TITLE Child Development Center

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 740	7. PROJECT NUMBER 1451	8. PROJECT COST ($000) Auth 1,600 Approp 1,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,120
Child Development Center	SF	11,025	95.21	(1,050)
Playground	LS	-	-	(65)
Outdoor Storage	SF	200	23.81	(5)
Supporting Facilities				330
Electric Service	LS	-	-	(15)
Water, Sewer & Gas	LS	-	-	(81)
Paving, Walks, Curbs & Gutters	LS	-	-	(123)
Site Improvement	LS	-	-	(110)
Communication	LS	-	-	(1)
Subtotal				1,450
Contingency (5.00%)				73
Total Contract Cost				1,523
Supervision, Inspection & Overhead (5.50%)				84
Total Request				1,607
Total Request (Rounded)				1,600
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a standard-design child development center complete with utilities, access road and parking, installed equipment, fire prevention and alarm system, playground and site improvements. Heat will be provided from an existing central heating plant. Mechanical ventilation: 54,000 CFM. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 21,300 SF ADEQUATE: 2,293 SF SUBSTANDARD: 12,391 SF

PROJECT: Construct a child development center.

REQUIREMENT: This project is required to provide adequate child development services for 145 children in Mark Twain Village.

CURRENT SITUATION: The Child Development Center is now located in 6,872 SF of diverted Bachelor Officers Quarters, in 2,293 SF of adequate space and in 5,519 SF of Heidelberg Hospital area. This project will replace 12,391 SF of inadequate substandard space and provide efficient, functional space for children currently enrolled and children on the waiting list. The diverted officers quarters and hospital space will be returned to the original functions.

IMPACT IF NOT PROVIDED: If this project is not provided, insufficient child support services will continue in substandard facilities which are needed for original functions. Lack of adequate facilities will adversely impact upon

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Mark Twain Village Housing, Heidelberg, Germany		
4.PROJECT TITLE Child Development Center		5.PROJECT NUMBER 1451

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: (Continued)
dependent children, morale of soldiers and their families.
ADDITIONAL: This project is not eligible for the established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JUN 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....AUG 86

(2) Basis:
(a) Standard or Definitive Design : Yes ___ No ___
(b) Where Design Was Most Recently Used ________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 20
(b) All Other Design Costs 65
(c) Total Cost 85
(d) Contract 50
(e) In-house 35

(4) Construction Start .... JAN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Giessen General Depot Giessen, Germany	4.PROJECT TITLE Dining Facility

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 722	7.PROJECT NUMBER 1475	8.PROJECT COST ($000) Auth 2,100 Approp 2,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,654
Dining Facility	SF	11,700	141.36	(1,654)
Supporting Facilities				254
Electric Service	LS	-	-	(36)
Water, Sewer & Gas	LS	-	-	(19)
Steam, Chilled Water & Heat Distribution	LS	-	-	(40)
Paving, Walks, Curbs & Gutters	LS	-	-	(50)
Storm Drainage	LS	-	-	(16)
Site Improvement (17) Demolition (54)	LS	-	-	(71)
Communication	LS	-	-	(22)
Subtotal				1,908
Contingency (5.00%)				95
Total Contract Cost				2,003
Supervision, Inspection & Overhead (5.50%)				110
Total Request				2,113
Total Request (Rounded)				2,100
Installed Equipment Other Appropriations			-	(0)

10.Description of Proposed Construction Construction of a dining facility to include utilities, fire protection, communications, paving, and site improvements. Heating will be provided from a central heating plant. Demolition of railroad track (3,000 LF). Mechanical ventilation: 103,000 CMF. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 1,300 PN ADEQUATE: 650 PN SUBSTANDARD: None

PROJECT: Construct an enlisted personnel dining facility.

REQUIREMENT: This project is required to provide adequate dining facilities for up to 650 enlisted personnel.

CURRENT SITUATION: Currently, the only operating dining facility on Giessen General Depot is Building 19, the PATRIOT dining facility with a maximum capacity of 650 service members. This facility currently supports approximately 315 service members and with the full stationing of the PATRIOT Battalion will be at its maximum capacity of 650 service members.

IMPACT IF NOT PROVIDED: If this project is not provided, the dining facility will have to serve servicemen in shifts, thus disrupting daily work schedules, adversely affecting troop morale, and possibly degrading mission accomplishment and combat readiness.

ADDITIONAL: This project is not within an established NATO Infrastructure

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Giessen General Depot, Giessen, Germany		
4.PROJECT TITLE Dining Facility		5.PROJECT NUMBER 1475

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)
Category for common funding, nor is it expected to become eligible. An Economic Analysis has been prepared comparing this project with the alternative of renovation. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ___

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 43
(b) All Other Design Costs 74
(c) Total Cost 117
(d) Contract 67
(e) In-house 50

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	4.PROJECT TITLE Exchange Shopping Center

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 740	7.PROJECT NUMBER 1476	8.PROJECT COST ($000) Auth 8,000 Approp 8,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,617
Exchange Shopping Center	SF	65,550	85.69	(5,617)
Supporting Facilities				1,603
Electric Service	LS	-	-	(28)
Water, Sewer & Gas	LS	-	-	(94)
Steam, Chilled Water & Heat Distribution	LS	-	-	(11)
Paving, Walks, Curbs & Gutters	LS	-	-	(605)
Storm Drainage	LS	-	-	(450)
Site Improvement (300) Demolition (112)	LS	-	-	(412)
Communication	LS	-	-	(3)
Subtotal				7,220
Contingency (5.00%)				361
Total Contract Cost				7,581
Supervision, Inspection & Overhead (5.50%)				417
Total Request				7,998
Total Request (Rounded)				8,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of an exchange complex to include main retail store, merchandise processing area (warehouse), administrative space to support all areas, fast food facility, exchange outlets for barber shop, tailor, optical shop, pick up point, beauty shop, and concessions. Supporting facilities to include transformer station, drainage, parking exterior lighting, site development, installation of Energy Monitoring and Control System (EMCS), fire protection (alarm/sprinkler systems) and communications. Heat to be provided by a central heating plant, to be expanded as part of FY 87 MCA project number 2305, Utilities Support at South Camp Vilseck. Mechanical ventilation: 300,000 CFM. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 102,002 SF ADEQUATE: 30,078 SF SUBSTANDARD: None

PROJECT: Construct an exchange shopping center.

REQUIREMENT: This project is required to provide a full spectrum of exchange goods and services to authorized customers in support of a large population increase following the implementation of the Force Modernization Program (FMP).

CURRENT SITUATION: The current exchange activities at Vilseck are inadequately sized and lack sufficient sales and stockroom areas to provide a

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4.PROJECT TITLE Exchange Shopping Center		5.PROJECT NUMBER 1476

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
proper assortment of merchandise and customer circulation space. Expanded and additional service outlets are required to provide a full range of adequately sized concessions.
IMPACT IF NOT PROVIDED: If this project is not provided, the lack of adequate shopping facilities will impose an economic hardship on military personnel and have an adverse effect on morale.
ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....JUL 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 98
(d) Date Design Complete ....OCT 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 131
(b) All Other Design Costs 222
(c) Total Cost 353
(d) Contract 219
(e) In-house 134

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fliegerhorst Airfield Kaserne Hanau, Germany		4.PROJECT TITLE Flight Simulator Building Addition	
5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 171	7.PROJECT NUMBER 1543	8.PROJECT COST ($000) Auth 3,700 Approp 3,700

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,054
Flight Simulator Addition	SF	23,000	104.45	(2,402)
Software Support Center	SF	3,100	104.45	(324)
Central Boiler Plant	LS	-	-	(328)
Supporting Facilities			-	307
Electric Service	LS	-	-	(154)
Water, Sewer & Gas	LS	-	-	(90)
Steam, Chilled Water & Heat Distribution	LS	-	-	(12)
Paving, Walks, Curbs & Gutters	LS	-	-	(19)
Storm Drainage	LS	-	-	(12)
Site Improvement	LS	-	-	(17)
Communication	LS	-		(3)
Subtotal				3,361
Contingency (5.00%)				168
Total Contract Cost				3,529
Supervision, Inspection & Overhead (5.50%)				194
Total Request				3,723
Total Request (Rounded)				3,700
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an addition to a flight simulator building to include an administration/briefing/maintenance center with an electronic maintenance shop, a Software Support Center with maintenance, secretarial and supervisory offices, conference area, software area, loading dock and quality assurance office, utilities, transformer, air conditioning/ventilation, communications, fire suppression/detection/alarm systems, paving and site improvements. Install a central boiler plant to serve the entire flight simulator complex. Air conditioning: 230 tons. Mechanical ventilation: 78,000 CFM.

11. REQUIREMENT: 70,100 SF ADEQUATE: 44,000 SF SUBSTANDARD: None

PROJECT: Construct an addition to a flight simulator building.

REQUIREMENT: The facility is required to house pilot training for the AH-64 Combat Mission Simulator (CMS) and to provide a training, administration, maintenance and software support center for the training of AH-64 pilots. It will also serve as a Central Support Center for all three CMS facilities in USAREUR. The CMS is scheduled for delivery and installation in FY 88.

CURRENT SITUATION: A flight simulation training facility for a UH-1 Simulator System, and a AH-1Q Flight weapons simulator was constructed in 1983. No training facility for the AH-64 helicopter is currently available.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fliegerhorst Airfield Kaserne, Hanau, Germany		
4.PROJECT TITLE Flight Simulator Building Addition		5.PROJECT NUMBER 1543

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: If this project is not provided, there will be no space available to house the AH-64 CMS upon delivery, thus severely impeding pilot training and perpetuating high operations and maintenance costs.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....OCT 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....OCT 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 106
(b) All Other Design Costs 237
(c) Total Cost 343
(d) Contract 232
(e) In-house 111

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Various Sites Various, Germany	4. PROJECT TITLE Maintenance Training Facility

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1552	8. PROJECT COST ($000) Auth 1,850 Approp 1,850

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,308
Maintenance Fac Massbach (2 EA)	SF	5,000	65.46	(327)
Maint Fac Geldersheim (2 EA)	SF	5,000	65.46	(327)
Maint Fac Schenkenturm (2 EA)	SF	5,000	65.46	(327)
Maint Fac Giebelstadt (2 EA)	SF	5,000	65.46	(327)
Supporting Facilities				382
Water, Sewer & Gas	LS	-	-	(74)
Steam, Chilled Water & Heat Distribution	LS	-	-	(133)
Paving, Walks, Curbs & Gutters	LS	-	-	(30)
Storm Drainage	LS	-	-	(40)
Site Improvement	LS	-	-	(73)
Dud Clearance	LS	-	-	(32)
Subtotal				1,690
Contingency (5.00%)				85
Total Contract Cost				1,775
Supervision, Inspection & Overhead (5.50%)				98
Total Request				1,873
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct two equipment maintenance training facilities at each of four exisiting Hawk tactical sites (total of 8 buildings). Buildings require interior lighting, heating, forced ventilation, a Class A secure storage vault of reinforced concrete, and steel doors. Mechanical Ventilation: 40,000 CFM.

11. REQUIREMENT: 20,000 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct equipment maintenance/training at four existing Hawk Tactical Sites.

REQUIREMENT: Construct four Hawk system maintenance training buildings to accommodate new Hawk system improvement. As a result of Hawk equipment changes to accommodate product improvements, each autonomous Assault Fire Unit (AFU) requires maintenance/system training facilities at each Hawk Tactical Site. The needs of both AFUs cannot be accommodated by a single facility as operational requirements dictate simultaneous AFU operation in these facilities.

CURRENT SITUATION: Maintenance/Training facilities are not currently available at tactical sites to accommodate system improvements. Product Improvement Program (PIP) I, II and III modifications preclude moving most system peculiar equipment into currently available outdated maintenance

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Various Sites, Various, Germany		
4.PROJECT TITLE Maintenance Training Facility		5.PROJECT NUMBER 1552

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
facilities. No system training facilities currently exist.
IMPACT IF NOT PROVIDED: If this project is not provided, U.S. Hawk units will not be able to operate as configured, impacting on their peacetime training and operational missions and degrading their fighting capability.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started .... AUG 85
(b) Percent Complete As Of January 1986 45
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 31
(b) All Other Design Costs 131
(c) Total Cost 162
(d) Contract 100
(e) In-house 62

(4) Construction Start .... DEC 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Hardt Kaserne Goeppingen, Germany	4.PROJECT TITLE Site Support Upgrade

5.PROGRAM ELEMENT 22382A	6.CATEGORY CODE 141	7.PROJECT NUMBER 1575	8.PROJECT COST ($000) Auth 1,850 Approp 1,850

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,047
Washrack-recirculatory	LS	-	-	(539)
Intrusion Detection System	LS	-	-	(23)
UG Battalion Operations Center	LS	-	-	(95)
UG Brigade Operations Center	LS	-	-	(95)
Pop-up Barricade	LS	-	-	(238)
See Cost Estimates (Continued)				(57)
Supporting Facilities				567
Electric Service	LS	-	-	(71)
Water, Sewer & Gas	LS	-	-	(83)
Steam, Chilled Water & Heat Distribution	LS	-	-	(48)
Paving, Walks, Curbs & Gutters	LS	-	-	(200)
Storm Drainage	LS	-	-	(59)
Site Improvement	LS	-	-	(71)
Communication	LS	-	-	(35)
Subtotal				1,614
Contingency (10.00%)				161
Total Contract Cost				1,775
Supervision, Inspection & Overhead (5.50%)				98
Total Request				1,873
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a washrack and upgrade the battalion operations center and arms room including an intrusion detection system (IDS). Construct a pop-up barricade and upgrade the brigade operations center. Heating will be supplied from the existing heat plant. Supporting facilities include all utilities, communications, paving, roads, curbs and gutters, and site work.

11. REQUIREMENT: 1 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a washrack, a pop-up barricade, and upgrade the battalion and brigade operations centers.

REQUIREMENT: This project is required to improve the security, safety, and readiness of the 1-41st Field Artillery (FA) Battalion (Pershing).

CURRENT SITUATION: Existing facilities at Hardt Kaserne are old, deteriorated and were designed for equipment of much smaller size and technology. The 56th FA Brigade has expanded in technically-complex equipment, personnel, and mission since they were originally stationed in Europe. The result is that their present facilities are inadequate to meet the needs of the Brigade. This, combined with the public awareness of Pershing in Europe and the increased and more dedicated capabilities of terrorist groups against all military, necessitates changes in existing

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Hardt Kaserne, Goeppingen, Germany

4.PROJECT TITLE Site Support Upgrade	5.PROJECT NUMBER 1575

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Arms Room Upgrade	LS	-	-	57
			Total	57

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, use of inadequate, deteriorating facilities will continue, and will adversely affect the units' ability to train, maintain, and provide adequate security for its weapons and equipment. Due to crowded and unsatisfactory conditions, this situation will ultimately affect the morale and welfare of the soldier who must continue to work at Hardt Kaserne.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  (1) Status:
    (a) Date Design Started ....NOV 85
    (b) Percent Complete As Of January 1986 35
    (c) Percent Complete As Of October 1986 100
    (d) Date Design Complete ....JUL 86

  (2) Basis:
    (a) Standard or Definitive Design Yes ___ No X
    (b) Where Design Was Most Recently Used N/A

  (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    (a) Production of Plans and Specifications 59
    (b) All Other Design Costs 60
    (c) Total Cost 119
    (d) Contract 59
    (e) In-house 60

  (4) Construction Start .... JAN 87
  month & year

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Hardt Kaserne, Goeppingen, Germany		
4. PROJECT TITLE Site Support Upgrade		5. PROJECT NUMBER 1575

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Wiley Barracks Neu Ulm, Germany	4.PROJECT TITLE Site Support Upgrade

5.PROGRAM ELEMENT 22382A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1576	8.PROJECT COST ($000) Auth 2,850 Approp 2,850

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,326
Vehicle Maint Shop Orgn	SF	9,500	88.08	(837)
Deployment Storage Building	SF	2,600	25.00	(70)
Concrete Apron	SY	2,960	35.70	(106)
Concrete Hardstand	SY	4,485	35.70	(160)
Bn Ops Center Upgrade	LS		-	(95)
See Cost Estimates (Continued)				(58)
Supporting Facilities				1,266
Electric Service	LS	-	-	(59)
Water, Sewer & Gas	LS	-	-	(154)
Steam, Chilled Water & Heat Distribution	LS	-	-	(511)
Paving, Walks, Curbs & Gutters	LS	-	-	(48)
Storm Drainage	LS	-	-	(119)
Site Improvement (191) Demolition (149)	LS	-	-	(340)
Communication	LS	-	-	(35)
Subtotal				2,592
Contingency (5.00%)				130
Total Contract Cost				2,722
Supervision, Inspection & Overhead (5.50%)				150
Total Request				2,872
Total Request (Rounded)				2,850
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an eight bay organizational maintenance shop, a deployment storage building, concrete apron and hardstand, and a POL storage facility. Upgrade the battalion operations center and install an intrusion detection system (IDS). The existing heat plant will be expanded to supply heat for this project. Supporting facilities include all utilities, communications, paving, curbs and gutters, and other site work. Demolish four (4) buildings (41,662 SF).

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD. None

PROJECT: Construct a Vehicle Maintenance Shop, Organizational, a deployment storage building, a POL storage building, concrete apron and hardstand, and upgrade the battalion operations center.

REQUIREMENT: This project is required to improve the security, safety, and readiness of the 1-81st Field Artillery (FA) Battalion (Pershing).

CURRENT SITUATION: Existing facilities at Wiley Barracks are old, deteriorated and were designed for equipment of much smaller size and technology. The 56th FA Brigade has expanded in technically-complex equipment, personnel, and mission since they were originally stationed in Europe. The result is that their present facilities are inadequate to meet the needs of the Brigade. This, combined with the public awareness of

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Wiley Barracks, Neu Ulm, Germany		
4.PROJECT TITLE Site Support Upgrade		5.PROJECT NUMBER 1576

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
POL Storage	SF	1,400	25.00	35
Install IDS	LS	-	-	23
			Total	58

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Pershing in Europe and the increased and more dedicated capabilities of terrorist groups against all military, necessitates changes in existing facilities.
IMPACT IF NOT PROVIDED: If this project is not provided, use of inadquate, deteriorating facilities will continue which will adversely affect the unit's ability to train, maintain, and provide adequate security for its weapons and equipment. Due to crowded and unsatisfactory conditions, this situation will ultimately affect the morale and welfare of the soldier who must continue to work at Wiley Barracks.
ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
- A. Estimated Design Data:
  - (1) Status:
    - (a) Date Design Started .... NOV 85
    - (b) Percent Complete As Of January 1986 35
    - (c) Percent Complete As Of October 1986 100
    - (d) Date Design Complete .... JUL 86
  - (2) Basis:
    - (a) Standard or Definitive Design - Yes ___ No X
    - (b) Where Design Was Most Recently Used N/A
  - (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    - (a) Production of Plans and Specifications 93
    - (b) All Other Design Costs 190
    - (c) Total Cost 283
    - (d) Contract 176
    - (e) In house 107
  - (4) Construction Start .... JAN 87 (month & year)

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Wiley Barracks, Neu Ulm, Germany		
4.PROJECT TITLE Site Support Upgrade		5.PROJECT NUMBER 1576

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Nelson Barracks Neu Ulm, Germany	4.PROJECT TITLE Site Support Upgrade

5.PROGRAM ELEMENT 22382A	6.CATEGORY CODE 141	7.PROJECT NUMBER 1577	8.PROJECT COST ($000) Auth 19,000 Approp 19,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				10,366
Support Maintenance Warehouse	SF	30,000	59.51	(1,785)
Vehicle Maintenance Shop DS	SF	25,500	95.21	(2,428)
Vehicle Maintenance Shop Org	SF	13,500	88.08	(1,189)
Deployment Equipment Storage	SF	6,000	29.76	(179)
General Purpose Warehouse	SF	4,404	41.65	(183)
See Cost Estimates (Continued)				(4,602)
Supporting Facilities				6,569
Electric Service	LS	-	-	(358)
Water, Sewer & Gas	LS	-	-	(297)
Steam, Chilled Water & Heat Distribution	LS	-	-	(238)
Paving, Walks, Curbs & Gutters	LS	-	-	(643)
Storm Drainage	LS	-	-	(178)
Site Improvement (3406) Demolition (853)	LS	-	-	(4,259)
Communication	LS	-	-	(238)
Security Fence/Lighting	LS	-	-	(358)
Subtotal				16,935
Contingency (5.00%)				847
Total Contract Cost				17,782
Supervision, Inspection & Overhead (5.50%)				978
Total Request				18,760
Total Request (Rounded)				19,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an 18-bay, direct-support vehicle maintenance shop, a 14-bay, organizational vehicle maintenance shop, a support maintenance warehouse, a general purpose warehouse and install an intrusion detection system (IDS). Construct POL storage, a heating plant, concrete apron and hardstand, a washrack, fuel station, POL separator with retention basins, grease rack, loading ramp, and a pop-up barricade. Supporting facilities include all utilities, communications, storm drainage, and other site work. Demolish ten (10) buildings (75,082 SF).

11. REQUIREMENT: 96,100 SF ADEQUATE: None SUBSTANDARD: 40,500 SF

PROJECT: Construct two (2) vehicle maintenance shops, two (2) warehouses, deployment equipment storage, POL storage, concrete apron and hardstand, a heating plant, fuel station, washrack and pop-up barricade.

REQUIREMENT: This project is required to provide adequate maintenance facilities for Headquarters and Headquarters Company, A Company and C Company of the 2d Battalion, 4th Infantry, and for the Headquarters and Headquarters Company and D Company of the 55th Maintenance Battalion respectively. These facilities will service 460 vehicles.

CURRENT SITUATION: Existing facilities at Nelson Barracks are old, deteriorated and were designed for equipment of much smaller size and

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Nelson Barracks, Neu Ulm, Germany		
4.PROJECT TITLE Site Support Upgrade		5.PROJECT NUMBER 1577

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
POL Storage	SF	4,600	35.70	164
Heating Plant	LS	-	-	1,012
Hardstand	SY	16,445	35.70	587
Apron	SY	24,877	35.70	888
Paving	SY	12,150	35.70	434
Recirculation Washrack (6 Pt)	LS	-	-	638
Fuel Station	GA	13,000	9.53	124
POL Separator/Retention Basins	LS	-	-	536
Grease Racks & Loading Ramp	LS	-	-	178
Intrusion Detection System (IDS)	LS	-	-	41
			Total	4,602

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

technology. The 56th FA Brigade has expanded in technically-complex equipment, personnel, and mission since they were originally stationed in Europe. The result is that their present facilities are inadequate to meet the needs of the Brigade. This, combined with the public awareness of Pershing in Europe and the increased and more dedicated capabilities of terrorist groups against all military, necessitates changes in existing facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, use of inadequate, deteriorating facilities will continue which will adversely affect the unit's ability to train, maintain, and provide adequate security for its weapons and equipment. Due to crowded and unsatisfactory conditions, this situation will ultimately affect the morale and welfare of the soldier who must continue to work at Nelson Barracks.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....NOV 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Nelson Barracks, Neu Ulm, Germany		
4.PROJECT TITLE Site Support Upgrade		5.PROJECT NUMBER 1577

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(3)	Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a)	Production of Plans and Specifications	291
(b)	All Other Design Costs	491
(c)	Total Cost	782
(d)	Contract	510
(e)	In-house	272
(4)	Construction Start	JAN 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Various Sites Various, Germany	4.PROJECT TITLE Wartime Host Nation Support

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 141	7.PROJECT NUMBER 1579	8.PROJECT COST ($000) Auth 17,500 Approp 17,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				11,663
Administration Facilities	LS	-	-	(5,356)
Hardstand & Apron Paving	LS	-	-	(1,904)
Maintenance Shops	LS	-	-	(1,189)
Storage Buildings	LS	-	-	(3,214)
Supporting Facilities				4,350
Electric Service	LS	-	-	(900)
Water, Sewer & Gas	LS	-	-	(900)
Steam, Chilled Water & Heat Distribution	LS	-	-	(834)
Paving, Walks, Curbs & Gutters	LS	-	-	(429)
Storm Drainage	LS	-	-	(429)
Site Improvement	LS	-	-	(429)
Communication	LS	-	-	(429)
Subtotal				16,013
Contingency (5.00%)				801
Total Contract Cost				16,814
Supervision, Inspection & Overhead (5.50%)				925
Total Request				17,739
Total Request (Rounded)				17,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct Wartime Host Nation Support (WHNS) operations facilities to include multi-purpose rooms, shower and changing rooms, dining rooms, and general administrative mobilization hardstand for reservist parking, miscellaneous maintenance and storage improvements. Supporting facilities to include parking, utilities, site development, and communications. Mechanical ventilation: 500,000 CFM.

11. REQUIREMENT: 76 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: This project is required to provide the U.S. share of funds for the non-NATO eligible facilities in the WHNS construction program on a 50/50 cost sharing basis with the Federal Republic of Germany (FRG).

REQUIREMENT: This project is required to take advantage of the offer of the German government to share the cost (50/50) of constructing the non-NATO-eligible facilities in the Wartime Host Nation Support (WHNS) facilities program at 76 sites in Germany. Sharing the cost of the non-NATO-eligible construction will result in the total WHNS facilities program being in place approximately five (5) years earlier than the current NATO funding plan would provide.

CURRENT SITUATION: German WHNS is a product of a U.S.-German governmental agreement of 15 April 1982 where Germany is to provide U.S. European Theater

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Various Sites, Various, Germany		
4.PROJECT TITLE Wartime Host Nation Support		5.PROJECT NUMBER 1579

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

Forces critical combat support and combat service support (CS/CSS) units during crisis or war. Germany will provide 85,000 German reservists to man these units. Approximately 85 percent of equipment requirements are to be provided via civilian mobilized resources. WHNS provides the most economical method to improve U.S. security and logistical support within first 10 days of mobilization, and reduce U.S. airlift requirements during reinforcement phase, reduces the need for additional European U.S. troop stationing. Approximately 80 percent of the total cost of $150,000,000 for the WHNS program is eligible for NATO funding, but current NATO planning calls for construction to take place over at least six (6) fiscal years beginning in 1986. Germany (FRG) has agreed to pre-finance the total cost of the NATO-eligible construction so the work can be completed by 1988 However, this offer is contingent upon U.S. agreement to share the cost (50/50) of the non-NATO-eligible WHNS construction totalling some $30 million, e.g., make the U.S. share $15 million.

IMPACT IF NOT PROVIDED: If this project is not provided, the FRG will not agree to pre-finance the WHNS construction, and important German augmenting elements will not be placed to enhance the U.S. effort in support and in the event of hostilities during the next six-year period.

ADDITIONAL: The non-eligible construction will not be supported for infrastructure funding by SHAPE or the NATO International Staff.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	JAN 86
(b) Percent Complete As Of January 1986	0
(c) Percent Complete As Of October 1986	95
(d) Date Design Complete	JAN 87

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	302
(b) All Other Design Costs	609
(c) Total Cost	911
(d) Contract	491
(e) In-house	420

(4) Construction Start .... JUN 87 month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Various Sites, Various, Germany		
4.PROJECT TITLE Wartime Host Nation Support		5.PROJECT NUMBER 1579

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Einsiedlerhof, Germany	4.PROJECT TITLE Training Exercise Facility

5.PROGRAM ELEMENT 22393A	6.CATEGORY CODE 171	7.PROJECT NUMBER 1582	8.PROJECT COST ($000) Auth 4,750 Approp 4,750

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,158
Building	SF	39,225	106.00	(4,158)
Supporting Facilities				150
Electric Service	LS	-	-	(66)
Water, Sewer & Gas	LS	-	-	(21)
Paving, Walks, Curbs & Gutters	LS	-	-	(32)
Site Improvement	LS	-	-	(6)
Communication	LS	-	-	(14)
Fence & Lighting	LS	-	-	(11)
Subtotal				4,308
Contingency (5.00%)				215
Total Contract Cost				4,523
Supervision, Inspection & Overhead (5.50%)				249
Total Request				4,772
Total Request (Rounded)				4,750
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a battle simulation facility to include exercise rooms player nodes, conference room, offices, computer rooms with raised flooring, security protection storage rooms, and mechanical equipment rooms. Heating and air conditioning will be provided from self-contained systems. The fire protection/life safety system to include halon fire extinguishing systems in computer rooms, a water sprinkler system in all other areas, a fire alarm system, and an emergency exit lighting system. Air conditioning: 24 tons.

11. REQUIREMENT: 39,225 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a battle simulation facility for the Warrior Preparation Center.

REQUIREMENT: This project is required to provide a secure facility in which to stage computer generated, multicorps, Army/Air Force battle simulation exercises. The purpose of the exercises is to train Army and Air Force battle commanders in the development and execution of Army/Air Force, corps/corps, and corps/higher headquarters interfaces in the prosecution of follow-on forces attacks in the European environment.

CURRENT SITUATION: The Warrior Preparation Center presently consists of three facilities. Of these facilities, only the Battle Commanders Training

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Einsiedlerhof, Germany		
4.PROJECT TITLE Training Exercise Facility		5.PROJECT NUMBER 1582

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Facility is equipped to provide hands-on computer generated simulations of the modern battlefield. The facility is only large enough to accommodate single Corps exercises with limited logistics and personnel participation. Due to a lack of adequate facilities, the multicorp, Army and Air Force exercises, cannot presently be staged.
IMPACT IF NOT PROVIDED: If this project is not provided, the multicorps and joint Army/Air Force exercises cannot be conducted. The number of exercise participants will continue to be limited and the training needed by Army and Air Force battle commanders will not be provided.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for Common Funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....SEP 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....FEB 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 120
(b) All Other Design Costs 234
(c) Total Cost 354
(d) Contract 256
(e) In-house 98

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Various Sites Various, Germany	4.PROJECT TITLE Site Security Enhancements

5.PROGRAM ELEMENT 22382A	6.CATEGORY CODE 141	7.PROJECT NUMBER 1583	8.PROJECT COST ($000) Auth 17,000 Approp 17,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				14,860
Security & Safety Upgrades	LS	-	-	(14,860)
Supporting Facilities				0
Subtotal				14,860
Contingency (10.00%)				1,486
Total Contract Cost				16,346
Supervision, Inspection & Overhead (5.50%)				899
Total Request				17,245
Total Request (Rounded)				17,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction/alteration of various facilities at six alert storage sites in West Germany to meet increased security, safety and health (OSHA), fire protection, system reliability and readiness criteria. Scope of work varies by site and includes new construction and/or alteration on facilities such as hardened control centers, hardened guard buildings/guard towers, storage and operations buildings, arms room, perimeter entry control, lighting, security fence, obscuration walls, fighting position protection, installation of electronic intrusion detection, surveillance and communication systems for operations and guard forces, protective shelters, storage, maintenance and assembly facilities for weapons, helipads, maintenance, storage, training and concealing parking facilities for tractors, trailers and other mobile military equipment, and associated utilities. POL storage, fire fighting facilities, pavements and hardstands, sitework and demolition may also be included.

11. REQUIREMENT: 6 EA ADEQUATE: None SUBSTANDARD: 6 EA

PROJECT: Upgrade of six sites in Germany by constructing new facilities and/or altering existing facilities.

REQUIREMENT: This project is required to improve security, safety, and readiness of a combat system deployed in West Germany.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Various Sites, Various, Germany		
4.PROJECT TITLE Site Security Enhancements		5.PROJECT NUMBER 1583

11. REQUIREMENT: (Continued)
CURRENT SITUATION: The information is classified.
IMPACT IF NOT PROVIDED: The information is classified.
ADDITIONAL: This project is partially eligible for NATO Infrastructure Category common funding and will be proposed for infrastructure funding. Prefinancing is for the entire project and recoupment of funds will be sought from NATO for the NATO eligible portion of the project.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....NOV 85
(b) Percent Complete As Of January 1986 20
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 1595
(b) All Other Design Costs 2,095
(c) Total Cost 3,690
(d) Contract 2430
(e) In-house 1260

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Wildflecken Training Range Wildflecken, Germany	4.PROJECT TITLE Vehicle Wash Facility

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 214	7.PROJECT NUMBER 1592	8.PROJECT COST ($000) Auth 3,800 Approp 3,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,425
Recycling Washrack	LS	-	-	(1,904)
Site Work and Excavation	CY	50,000	5.95	(298)
By-pass Road	SY	6,000	37.13	(223)
Supporting Facilities				1,023
Electric Service	LS	-	-	(220)
Water, Sewer & Gas	LS	-	-	(547)
Paving, Walks, Curbs & Gutters	LS	-	-	(221)
Communication	LS	-	-	(35)
Subtotal				3,448
Contingency (5.00%)				172
Total Contract Cost				3,620
Supervision, Inspection & Overhead (5.50%)				199
Total Request				3,819
Total Request (Rounded)				3,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a washing facility for tracked and wheeled vehicles, and all necessary supporting facilities including water recycling, with paved hardstand for the final cleaning of wheeled vehicles. Included will be a vehicle pre-wash followed by optimum pressure (7 atue) hose connection wash points and a new by-pass road. Final cleaning hardstand area is 1,000 SY. This facility will include a nuclear, biological, chemical (NBC) defense washing area. Location will be at Biv H, Wildflecken Training Area. This project is a candidate for OSD PIF consideration.

11. REQUIREMENT: 110,000 SF ADEQUATE: None SUBSTANDARD: 63,517 SF

PROJECT: Construct a vehicle wash facility..

REQUIREMENT: This project is required to provide preliminary and final cleaning of all tactical and transport vehicles for units training and departing the Wildflecken Training Area, and to eliminate the waste of military manpower resulting from the poor facilities currently available and the present need to clean all vehicles twice.

CURRENT SITUATION: There is only one, three-point vehicle washrack at Wildflecken Training Area. Vehicles are cleaned periodically during training as part of their maintenance, and before they depart the training area using high pressure water. Because of the clay content of the area, soil compacts

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Wildflecken Training Range, Wildflecken, Germany

4. PROJECT TITLE Vehicle Wash Facility	5. PROJECT NUMBER 1592

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
and sticks to the vehicles. Cleaning requires an average of two hours per tracked vehicle and 40 minutes per wheeled vehicle. This results in only a rough, rudimental cleaning. Vehicles then depart the training area on unpaved tank trails, and are soiled again by the time they reach the paved public roads. Some of the soils are deposited on the public roads, which creates a traffic hazard and leads to complaints from the neighboring civilian communities. The rest of the soil is removed during a thorough recleaning at the units home stations. This cleaning generally requires one hour per tracked vehicle and half an hour per wheeled vehicle. Approximately 6,000 tracked vehicles and 3,000 wheeled vehicles use the facility annually.

IMPACT IF NOT PROVIDED: If this project is not provided, military units will continue to waste an estimated 7,000 manhours annually which should be available for training. The public roadways will continue to be soiled with slick clay, creating traffic hazards and poor relations with neighboring communities.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	NOV 85
(b) Percent Complete As Of January 1986	20
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	SEP 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	1595
(b) All Other Design Costs	2.095
(c) Total Cost	3.690
(d) Contract	2430
(e) In-house	1260

(4) Construction Start .... MAR 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Wildflecken Training Range, Wildflecken, Germany

4.PROJECT TITLE Vehicle Wash Facility	5.PROJECT NUMBER 1592

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fiori Barracks Aschaffenburg, Germany	4.PROJECT TITLE Hardstand

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 852	7.PROJECT NUMBER 2010	8.PROJECT COST ($000) Auth 3,650 Approp 3,650

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,309
Concrete Hardstands	SY	41,860	35.71	(1,495)
Maintenance Shed	SF	14,047	18.45	(259)
Concrete Apron	SY	1,435	35.71	(51)
Sound Absorption Wall	LS	-	-	(254)
Dud Clearance	LS	-	-	(83)
See Cost Estimates (Continued)				(167)
Supporting Facilities				1,007
Electric Service	LS	-	-	(16)
Water, Sewer & Gas	LS	-	-	(333)
Paving, Walks, Curbs & Gutters	LS	-	-	(95)
Storm Drainage	LS	-	-	(185)
Site Improvement	LS	-	-	(378)
Subtotal				3,316
Contingency (5.00%)				166
Total Contract Cost				3,482
Supervision, Inspection & Overhead (5.50%)				192
Total Request				3,674
Total Request (Rounded)				3,650
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a concrete hardstand for tactical equipment parking with surface drainage, POL separators, and mud traps. Construct one (1) maintenance shed with concrete floor and apron. Supporting facilities consist of storm drainage, security fence/lighting/gates, electrical lines, and removal, disposal and replacement of contaminated soil.

11. REQUIREMENT: 48,362 SY ADEQUATE: 5,806 SY SUBSTANDARD: 40,894 SY

PROJECT: Construct concrete hardstand, and maintenance shed with concrete apron.

REQUIREMENT: This project is required to provide a concrete hardstand for 116 combat vehicles, 284 tactical vehicles, 166 trailers and 17 fuel vehicles and to provide a covered maintenance shed for Lane missile carriers and combat vehicles.

CURRENT SITUATION: Vehicles are currently parked and operators' maintenance performed on gravel or deteriorated bituminous hardstand not suitable for tracked or tactical vehicles. Operators must perform maintenance in dust or mud, depending on weather conditions. Lack of drainage system and composition of parking areas results in significant water accumulation. Gravel surface, when subjected to POL spills, results in soil and ground water contamination.

IMPACT IF NOT PROVIDED: If this project is not provided, existing

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
Fiori Barracks, Aschaffenburg, Germany

4. PROJECT TITLE
Hardstand

5. PROJECT NUMBER
2010

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Fuel Separators	LS	-	-	83
Retention Basin	LS	-	-	59
Oil Skimmer/Underground Oil Tk	LS	-	-	25
			Total	167

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)
conditions will adversely affect equipment condition and combat readiness. Military personnel will continue to maintain vehicles on dust and mud covered unimproved parking areas. Additional manhours will be expended keeping vehicles clean.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 45
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 62
(b) All Other Design Costs 123
(c) Total Cost 185
(d) Contract 112
(e) In-house 73

(4) Construction Start .... MAR 87
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fiori Barracks, Aschaffenburg, Germany		
4. PROJECT TITLE Hardstand		5. PROJECT NUMBER 2010

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Wiley Barracks Neu Ulm, Germany	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 214	7.PROJECT NUMBER 2088	8.PROJECT COST ($000) Auth 4,200 Approp 4,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,154
Vehicle Maintenance Shop	SF	23,582	77.98	(1,839)
Concrete Apron	SY	5,775	35.70	(206)
Concrete Hardstand	SY	7,220	35.70	(258)
Gas Station	LS	-	-	(119)
Washrack w/Spraystand 6 pt.	LS	-	-	(714)
See Cost Estimates (Continued)				(18)
Supporting Facilities				646
Electric Service	LS	-	-	(29)
Water, Sewer & Gas	LS	-	-	(177)
Steam, Chilled Water & Heat Distribution	LS	-	-	(42)
Paving, Walks, Curbs & Gutters	LS	-	-	(127)
Storm Drainage	LS	-	-	(205)
Site Improvement (42) Demolition (21)	LS	-	-	(63)
Communication	LS	-	-	(3)
Subtotal				3,800
Contingency (5.00%)				190
Total Contract Cost				3,990
Supervision, Inspection & Overhead (5.50%)				219
Total Request				4,209
Total Request (Rounded)				4,200
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a tactical equipment shop, a 6-position washrack with spray stand, a post fuel station with a capacity of 1,320 gallons (5,000 liters) of MOGAS with two (2) single fuel pumps and 26,420 gallons (100,000 liters) of diesel fuel with two (2) combination fuel pumps, and a post loading ramp. Heat be provided from the central heating plant. Demolish one (1) building (4,949 SF).

11. REQUIREMENT: 97,250 SF ADEQUATE: None SUBSTANDARD: 80,510 SF

PROJECT: Construct a tactical equipment shop, with hardstand and apron, a 6-position recirculating washrack with spray booth, a post fuel station and a post loading ramp.

REQUIREMENT: This project is required to provide adequate maintenance facilities and concrete maintenance hardstand for three (3) combat vehicles, 40 tactical vehicles and 33 trailers. A post washrack and loading ramp are also required.

CURRENT SITUATION: The facilities now in use for vehicle maintenance consist of part of a building constructed by the German government as a horse stable. The facility was not designed to meet current safety, health, fire protection, pollution abatement, or motorized vehicle criteria. The building has substandard floors, roofs, insulation, shop doors and sanitary facilities.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Wiley Barracks, Neu Ulm, Germany		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 2088

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Loading Dock	LS	-	-	18
			Total	18

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
Shop heating ventilation, electrical power supply and lighting are inadequate. Facility will not accommodate artillery pieces, so that all maintenance must be performed outside in the elements.
IMPACT IF NOT PROVIDED: If this project is not provided, the existing facilities that cannot accommodate unit equipment will continue to be used. This will further increase operational costs, weaken troop morale, and lower mission effectiveness below acceptable levels.
ADDITIONAL: This project is not within an established NATO Infrastructure Category (including Reinforcement Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....DEC 84
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 103
(b) All Other Design Costs 168
(c) Total Cost 271
(d) Contract 172
(e) In-house 99

(4) Construction Start .... JAN 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Wiley Barracks, Neu Ulm, Germany

4.PROJECT TITLE Tactical Equipment Shop	5.PROJECT NUMBER 2088

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Smith Barracks Baumholder, Germany	4. PROJECT TITLE Ammunition Storage

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 421	7. PROJECT NUMBER 2106	8. PROJECT COST ($000) Auth 4,400 Approp 4,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,825
Ammo Igloos - 8 @ 1500 SF EA	SF	12,000	77.37	(928)
Ammunition Surveillance Building	SF	4,800	153.54	(737)
Operations Building	SF	2,430	96.41	(234)
Concrete Hardstand/Apron	SY	5,502	35.70	(196)
Pumphouse and Water Tanks	LS	-	-	(491)
See Cost Estimates (Continued)				(239)
Supporting Facilities				1,168
Electric Service	LS	-	-	(80)
Water, Sewer & Gas	LS	-	-	(170)
Steam, Chilled Water & Heat Distribution	LS	-	-	(12)
Paving, Walks, Curbs & Gutters	LS	-	-	(399)
Site Improvement	LS	-	-	(396)
Communication	LS	-	-	(111)
Subtotal				3,993
Contingency (5.00%)				200
Total Contract Cost				4,193
Supervision, Inspection & Overhead (5.50%)				231
Total Request				4,424
Total Request (Rounded)				4,400
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of an Ammunition Supply Point (ASP) with earth-covered ammunition storage igloos, operation building, ammunition surveillance building, guard house, forklift charging station, inert/flammable storage building, all utilities, roads, hardstands, storm drainage, fencing, security lighting, intrusion detection system (IDS), and site work. Heating to be by self-contained oil-fired/electrical units at two buildings only. Mechanical ventilation: 22,000 CFM.

11. REQUIREMENT: 19,250 SF ADEQUATE: None SUBSTANDARD: 12,000 SF

PROJECT: Construct eight (8) earth-covered ammunition storage igloos, ammunition surveillance building, and an operations building.

REQUIREMENT: The project is required to provide sufficient conventional ammunition storage space, quality assurance (QA) inspection facilities, administrative space, and security measures to support the training mission at Baumholder's training range.

CURRENT SITUATION: The current assets consist of seven (7) earth pads (open air), 14 wooden, skid-mounted, buildings in deteriorated condition, a small metal-sided building used for surveillance, and wooden operation and guard buildings. There are no earth-covered facilities and security measures for ammunition storage are inadequate. The storage buildings are not structurally

1.COMPONENT		2.DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 86

3.INSTALLATION AND LOCATION

Smith Barracks, Baumholder, Germany

4.PROJECT TITLE	5.PROJECT NUMBER
Ammunition Storage	2106

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Guard House	LS	-	-	32
Forklift Station	LS	-	-	16
Flammable Storage Building	LS	-	-	12
Inert Storage Building	SF	3,228	41.23	133
IDS (Installation Cost Only)	LS	-	-	46
			Total	239

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

sound enough to accommodate intrusion detection systems (IDS). Ammunition cannot be stored overnight in the surveillance building, and only one operation can be run at a time. All of the existing structures are unsafe, inadequate (i.e., no protection to preclude propagation between on-site storage areas) and in need of repair.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing site will have its use drastically curtailed or suspended. This would seriously reduce the use of the training ranges and require ammunition to be brought from Miesau Army Depot - 40 miles away, which is not economically or operationally feasible.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAR 85

(b) Percent Complete As Of January 1986 40

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 64

(b) All Other Design Costs 132

(c) Total Cost 196

(d) Contract 105

(e) In-house 91

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Smith Barracks, Baumholder, Germany		
4.PROJECT TITLE Ammunition Storage		5.PROJECT NUMBER 2106

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Buedingen Airfield Hanau, Germany	4. PROJECT TITLE Aircraft Maintenance Hangar

5. PROGRAM ELEMENT 22312A	6. CATEGORY CODE 211	7. PROJECT NUMBER 2132	8. PROJECT COST ($000) Auth 7,100 Approp 7,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,060
Unit Maintenance Hanger-AVUM	SF	30,000	90.17	(2,705)
Concrete Hardstands	SY	24,000	35.70	(857)
Concrete Aprons	SY	5,203	35.70	(186)
Fuel Storage JP-4	GA	40,000	6.63	(265)
Fuel Dispensing	LS	-	-	(185)
See Cost Estimates (Continued)				(862)
Supporting Facilities				1,368
Electric Service	LS	-	-	(57)
Water, Sewer & Gas	LS	-	-	(97)
Paving, Walks, Curbs & Cutters	LS	-	-	(368)
Storm Drainage	LS	-	-	(345)
Site Improvement (241) Demolition (56)	LS	-	-	(297)
Communication	LS	-	-	(27)
Security Fence/Light	LS	-	-	(177)
Subtotal				6,428
Contingency (5.00%)				321
Total Contract Cost				6,749
Supervision, Inspection & Overhead (5.50%)				371
Total Request				7,120
Total Request (Rounded)				7,100
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct a unit maintenance hangar with sprinkler system and heating plant. Hangar to consist of maintenance area, 3-ton bridge crane, and areas for oil storage, tools, parts, break room, lockers, latrines, operations and administration. Construct hangar access apron, aircraft wash apron, aircraft washrack, and rotary wing aircraft parking apron. Supporting facilities to include a 200,000 liter steel tank underground JP-4 fuel station with fuel pumps, security fence/lighting/gates, electrical transformer with switch gear, flood control diking, connection of utilities to central utility systems and communications. Replace access bridge from Armstrong Barracks to Buedingen Airfield. Demolish access bridge and paving, and one (1) building (14,027 SF).

11. REQUIREMENT: 30,000 SF ADEQUATE: None SUBSTANDARD: 14,027 SF

PROJECT: Construct a unit maintenance hangar.

REQUIREMENT: This project is required to provide maintenance and parking facilities for eight (8) attack helicopters (AH-1), 12 scout helicopters (OH-58) and a utility helicopter (UH-60).

CURRENT SITUATION: Unit maintenance is currently being performed in a steel shell hangar which cannot structurally support equipment necessary for aircraft maintenance activities and is not large enough to accommodate the

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Buedingen Airfield, Hanau, Germany

4. PROJECT TITLE Aircraft Maintenance Hangar	5. PROJECT NUMBER 2132

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Refuel Pads	SY	1,425	35.70	51
Washrack	LS	-	-	58
Airfield Lighting	LS	-	-	753
			Total	862

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
unit's assigned number and type of airframes. Current facility has no overhead crane, and due to low ceiling, cannot accept installation of one. All crane work is currently performed outside. Hangar maintenance is further degraded by lack of sufficient overhead lighting, heating, absence of aircraft grounding, poor drainage and POL disposal facilities. Shortage of helicopter parking necessitates parking rotary wing aircraft along rotary wing aircraft runway. There is no aircraft wash apron and washrack.

IMPACT IF NOT PROVIDED: If this project is not provided, maintenance facilities necessary for the performance of aviation unit maintenance will not be available for the two air troops of 3d Squadron 3d Armored Division. Maintenance activities will be hampered by necessity to perform some maintenance outdoors, adversely affecting equipment and combat readiness.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $1,800,000 based on awarding a single construction contract for this project with project number 1350 at Grossauheim Kaserne, Hanau, Germany. This project is not within an established NATO Infrastructure Category (including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
  (1) Status:
    (a) Date Design Started .... JAN 85
    (b) Percent Complete As Of January 1986 40
    (c) Percent Complete As Of October 1986 100
    (d) Date Design Complete .... JUL 86

  (2) Basis:
    (a) Standard or Definitive Design - Yes ___ No ___
    (b) Where Design Was Most Recently Used ____________________

  (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
    (a) Production of Plans and Specifications 131
    (b) All Other Design Costs 268
    (c) Total Cost 399

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Buedingen Airfield, Hanau, Germany		
4.PROJECT TITLE Aircraft Maintenance Hangar		5.PROJECT NUMBER 2132

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

	($000)
(3) Total Cost: (Continued)	
(d) Contract	212
(e) In-house	187
(4) Construction Start	DEC 86 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Ayers Kaserne Giessen, Germany	4.PROJECT TITLE Fuel Station

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 123	7.PROJECT NUMBER 2186	8.PROJECT COST ($000) Auth 3,500 Approp 3,500

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,765
Washrack w/2 Spray Stands	LS	-	-	(696)
Diesel/MOGAS Station	LS	-	-	(465)
Communications	LS	-	-	(10)
Lighting	LS	-	-	(39)
Hardstands	SY	15,548	35.70	(555)
Supporting Facilities				1,416
Electric Service	LS	-	-	(184)
Water, Sewer & Gas	LS	-	-	(230)
Steam, Chilled Water & Heat Distribution	LS	-	-	(24)
Paving, Walks, Curbs & Gutters	LS	-	-	(514)
Storm Drainage	LS	-	-	(114)
Site Improvement (271) Demolition (27)	LS	-	-	(298)
Communication	LS	-	-	(34)
DUD REMOVAL	LS	-	-	(18)
Subtotal				3,181
Contingency (5.00%)				159
Total Contract Cost				3,340
Supervision, Inspection & Overhead (5.50%)				184
Total Request				3,524
Total Request (Rounded)				3,500
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a diesel and MOGAS fuel station with a capacity of 6,604 gallons two (25,000 liters) MOGAS with two (2) single fuel pumps and 277,381 gallons (1,050,000 liters) diesel with four (4) double fuel pumps, and a 10-position washrack with two (2) spray stands. Project includes concrete hardstand, access roads and hook-up of utilities to central utility systems. Demolish eight (8) buildings (13,800 SF).

11. REQUIREMENT: 283,985 GA ADEQUATE: None SUBSTANDARD: 31,160 GA

PROJECT: Construct a diesel and MOGAS station and 10-position washrack with spray booths.

REQUIREMENT: This project is required to provide adequate, fuel dispensing and wash facilities for 530 combat vehicles, 675 tactical vehicles and 518 trailers.

CURRENT SITUATION: The existing fuel stations and washracks are inadequate for fueling and cleaning the vehicles assigned to Ayers Kaserne. Existing fuel stations consist of four low-pressure diesel and four low-pressure MOGAS pumps. To completely refuel an M-60 tank with these low-pressure pumps requires approximatley 30 minutes. To completely refuel the tanks at Ayers Kaserne requires one and one-half days. The existing washracks are low-pressure garden hoses which creates a problem cleaning vehicles returning

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Ayers Kaserne, Giessen, Germany		
4.PROJECT TITLE Fuel Station		5.PROJECT NUMBER 2186

from training areas. Vehicle crews now spend hours with scrub brushes cleaning vehicles.

IMPACT IF NOT PROVIDED: If this project is not provided, units will continue with the slow and inefficient methods of refueling and cleaning vehicles and utilizing time which would otherwise be spent maintaining unit readiness and training.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAR 85

(b) Percent Complete As Of January 1986 40

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___

(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 70

(b) All Other Design Costs 145

(c) Total Cost 215

(d) Contract 117

(e) In-house 98

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany		4.PROJECT TITLE Post Office	
5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 730	7.PROJECT NUMBER 2236	8.PROJECT COST ($000) Auth 1,300 Approp 1,300

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				811
Main Post Office w/Branch	SF	8,519	95.22	(811)
Supporting Facilities				365
Electric Service	LS	-	-	(14)
Water, Sewer & Gas	LS	-	-	(58)
Steam, Chilled Water & Heat Distribution	LS	-	-	(2)
Paving, Walks, Curbs & Gutters	LS	-	-	(168)
Storm Drainage	LS	-	-	(70)
Site Improvement	LS	-	-	(43)
Communication	LS	-	-	(10)
Subtotal				1,176
Contingency (5.00%)				59
Total Contract Cost				1,235
Supervision, Inspection & Overhead (5.50%)				68
Total Request				1,303
Total Request (Rounded)				1,300
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a post office with customer service area, mail processing area, loading platform and administration area, and Post Office Branch Supporting facilities to include all utilities, paving, parking and site work. Heating will be provided from the central heating plant. Accessibility for the handicapped will be provided.

11. REQUIREMENT: 8,417 SF ADEQUATE: 864 SF SUBSTANDARD: None

PROJECT: Construct a main post office and post office branch.

REQUIREMENT: This project is required to provide postal services to the entire installation population.

CURRENT SITUATION: There is presently only a small (864 SF) branch post office to provide services to the post population. This facility is completely inadequate to meet the needs of the South Camp Vilseck community. It will be converted to other uses after completion of this project.

IMPACT IF NOT PROVIDED: If this project is not provided, inadequate postal service will continue, having a negative impact on morale and operations.

ADDITIONAL: This project is not within an established NATO infrastructure category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4.PROJECT TITLE Post Office		5.PROJECT NUMBER 2236

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 22
(b) All Other Design Costs 55
(c) Total Cost 77
(d) Contract 46
(e) In-house 31

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	**2.DATE** 14 FEB 86

3.INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	**4.PROJECT TITLE** Provost Marshal Facility

5.PROGRAM ELEMENT 22396A	**6.CATEGORY CODE** 730	**7.PROJECT NUMBER** 2238	**8.PROJECT COST ($000)** Auth 1,800 Approp 1,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,428
Police Station	SF	18,460	77.37	(1,428)
Supporting Facilities				217
Electric Service	LS	-	-	(46)
Water, Sewer & Gas	LS	-	-	(12)
Paving, Walks, Curbs & Gutters	LS	-	-	(40)
Storm Drainage	LS	-	-	(21)
Site Improvement	LS	-	-	(71)
Communication	LS	-	-	(21)
Dog Kennel	LS	-	-	(6)
Subtotal				1,645
Contingency (5.00%)				82
Total Contract Cost				1,727
Supervision, Inspection & Overhead (5.50%)				95
Total Request				1,822
Total Request (Rounded)				1,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a military police station to include operations area, registration area, duty area, investigations area, desk operations and detention cells, lockers, showers, and toilets. Supporting facilities to include all utilities, driveways, vehicle impoundment lot, parking, a kennel with shelters and exercise area, fencing, exterior lighting, and site work. Heat will be supplied from a central heat plant.

11. REQUIREMENT: 18,460 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a police station.

REQUIREMENT: This project is required to provide a facility to house military police activities including law enforcement, physical security, investigations, arrests and detention, registrations, permits, and licenses.

CURRENT SITUATION: There is currently no police station at Vilseck.

IMPACT IF NOT PROVIDED: If this project is not provided, space in other facilities will have to be diverted to provide facilities for essential military police functions.

ADDITIONAL: This project is not within an established NATO infrastructure category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

South Camp Vilseck, Vilseck, Germany

4.PROJECT TITLE Provost Marshal Facility	5.PROJECT NUMBER 2238

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 52
(b) All Other Design Costs 106
(c) Total Cost 158
(d) Contract 97
(e) In-house 61

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Germersheim Army Depot Karlsruhe, Germany	4.PROJECT TITLE Tactical Equipment Shop

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 214	7.PROJECT NUMBER 2241	8.PROJECT COST ($000) Auth 0 Approp 1,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,129
Vehicle Maintenance Shop	SF	9,800	71.09	(697)
Concrete Apron & Hardstand	SY	11,580	36.07	(418)
Compressed Gas Storage	LS	-	-	(14)
Supporting Facilities				490
Electric Service	LS	-	-	(10)
Water, Sewer & Gas	LS	-	-	(104)
Steam, Chilled Water & Heat Distribution	LS	-	-	(8)
Paving, Walks, Curbs & Gutters	LS	-	-	(2)
Storm Drainage	LS	-	-	(154)
Site Improvement (92) Demolition (68)	LS	-	-	(160)
Communication	LS	-	-	(1)
Gas Separator (44), Oil Tank (4)	LS	-	-	(51)
Subtotal				1,619
Contingency (5.00%)				81
Total Contract Cost				1,700
Supervision, Inspection & Overhead (5.50%)				94
Total Request				1,794
Total Request (Rounded)				1,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construction of a tactical equipment shop to include maintenance bays, maintenance pit, welding bay, tire bay, 5-ton bridge crane and administrative areas. Work to include all required utilities services, paving, POL separator, storm drainage, hardstand/aprons, access roads, security fencing/gates/lighting, compressed gas storage sheds, transformer station, communications, fire protection and alarm/detection system and site improvements. Heating to be provided by existing central heat plant. Demolition of six buildings (1,097 SF).

11. REQUIREMENT: 9,800 SF ADEQUATE: None SUBSTANDARD: 1,097 SF

PROJECT: Construct a tactical equipment shop with supporting facilities.

REQUIREMENT: This project is required to provide adequate maintenance facilities for the 63 tactical vehicles and 41 trailers assigned to the 137th Ordnance Company.

CURRENT SITUATION: Recent analysis of wartime ammunition expenditure rates indicates that current tactics and weaponry will consume more ammunition than previously estimated. In addition, new ammunition has an increased cubic volume for storage and consequent increase in handling requirements. This company provides the increased ammunition handling and guarding requirements for protection of ammunition storage facilities in peacetime and serves as the

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Germersheim Army Depot, Karlsruhe, Germany

4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 2241

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
cadre-core for transition to a larger ammunitions handling company which will provide the only wartime ammunition support to VII Corps. Optimum stationing of this company is at the Germersheim Army Depot in order to provide favorable travel-time distances to all ammunition storage facilities for effective operations. Existing maintenance facilities are fully used, and no other facilities exist to satisfy the requirements of this unit.
IMPACT IF NOT PROVIDED: If this project is not provided, ammunition expenditure rates will exceed the supply capability and front line units will run out of ammunition. Lack of these facilities will adversely affect combat readiness level and mission requirements at Germersheim Army Depot.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAY 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....MAR 86

(2) Basis:
(a) Standard or Definitive Design - Yes X No ___
(b) Where Design Was Most Recently Used Throughout USAREUR

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 30
(b) All Other Design Costs 64
(c) Total Cost 94
(d) Contract 47
(e) In-house 47

(4) Construction Start .... FEB 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Conn Barracks Schweinfurt, Germany	4. PROJECT TITLE Tactical Equipment Shop

5. PROGRAM ELEMENT 22311A	6. CATEGORY CODE 214	7. PROJECT NUMBER 2288	8. PROJECT COST ($000) Auth 13,600 Approp 13,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				9,868
Tactical Equipment Shops (2 ea)	SF	55,000	72.00	(3,960)
Storage Buildings (2 ea)	SF	7,700	28.60	(220)
Concrete Apron	SY	20,525	35.70	(733)
Concrete Hardstand	SY	47,851	35.70	(1,708)
Maintenance Sheds	SF	128,535	17.86	(2,295)
See Cost Estimates (Continued)				(952)
Supporting Facilities				2,498
Electric Service	LS	-	-	(178)
Water, Sewer & Gas	LS	-	-	(750)
Steam, Chilled Water & Heat Distribution	LS	-	-	(191)
Paving, Walks, Curbs & Gutters	LS	-	-	(286)
Site Improvement (721) Demolition (319)	LS	-	-	(1,040)
Communication	LS	-	-	(53)
Subtotal				12,366
Contingency (5.00%)				618
Total Contract Cost				12,984
Supervision, Inspection & Overhead (5.50%)				714
Total Request				13,698
Total Request (Rounded)				13,600
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of two (2) tactical equipment shops, two (2) storage buildings, two (2) each two-position covered grease racks, nine (9) maintenance sheds, two (2) compressed gas storage sheds and a 10-position washrack with spray stand. Supporting facilities include all utilities, concrete paving, hardstand, access roads, parking and site work. Heat will be provided from a central heat plant constructed in FY 87 MCA PN 34. Demolish 17 buildings, sheds, and platforms (11,859 SF).

11. REQUIREMENT: 214,569 SF ADEQUATE: 48,486 SF SUBSTANDARD: 99,504 SF

PROJECT: Construct two (2) tactical equipment shops.

REQUIREMENT: This project is required to provide adequate maintenance facilities for 175 tactical vehicles, 223 combat vehicles, 167 trailers, and 34 fuel vehicles.

CURRENT SITUATION: Existing vehicle maintenance facilities are outdated and too small to meet current requirements. Inadequate space, inefficient layout, poor lighting, heating and ventilation, and restricted access, all degrade the maintenance operation and, ultimately, unit combat readiness and mission performance. One facility is an aircraft hangar diverted to compensate for the space deficiency. This hangar is programmed to revert to hangar use to support troops of the 7th Air Cavalry.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Conn Barracks, Schweinfurt, Germany		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 2288

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Washrack	LS	-	-	700
Grease Racks Covered	EA	2	53,560	107
Pump House	LS	-	-	104
Install IDS	LS	-	-	41
			Total	952

IMPACT IF NOT PROVIDED: If this project is not provided, maintenance operations will continue in the aged and substandard facilities that cannot support the requirements of a modern Infantry and Armored Battalion. It will also prevent activation of the 2 Air Cavalry troops for the 3d Battalion, 7th Cavalry at Conn Barracks. The lack of adequate vehicle maintenance and parking facilities will steadily reduce the operational capabilities of these units.

ADDITIONAL: The appropriation request in Block 8 reflects a cost savings of $1,000,000 based on awarding a single construction contract for this project with project numbers 34 and 1378 at Conn Barracks, Schweinfurt, Germany. This project is not within an established NATO Infrastructure Category for common funding, (including Reinforcement Support Category) nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:
- (1) Status:
  - (a) Date Design Started .... JUL 84
  - (b) Percent Complete As Of January 1986 40
  - (c) Percent Complete As Of October 1986 100
  - (d) Date Design Complete .... JUN 86
- (2) Basis:
  - (a) Standard or Definitive Design - Yes ___ No X
  - (b) Where Design Was Most Recently Used ______________________
- (3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
  - (a) Production of Plans and Specifications 263
  - (b) All Other Design Costs 526
  - (c) Total Cost 789
  - (d) Contract 442
  - (e) In-house 347
- (4) Construction Start .... DEC 86 month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Conn Barracks, Schweinfurt, Germany		
4.PROJECT TITLE Tactical Equipment Shop		5.PROJECT NUMBER 2288

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DD 1 FORM DEC 76 DD1391C

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Tompkins Barracks Heidelberg, Germany	4.PROJECT TITLE Operations Building

5.PROGRAM ELEMENT 22316A	6.CATEGORY CODE 141	7.PROJECT NUMBER 2296	8.PROJECT COST ($000) Auth 0 Approp 1,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,199
Operations Building	SF	16,037	65.78	(1,055)
Concrete Hardstand	SY	4,904	23.92	(117)
IDS (Installn Cost Only)	LS	-	-	(27)
Supporting Facilities				446
Electric Service	LS	-	-	(38)
Water, Sewer & Gas	LS	-	-	(49)
Paving, Walks, Curbs & Gutters	LS	-	-	(79)
Storm Drainage	LS	-	-	(39)
Site Improvement	LS	-	-	(236)
Communication	LS	-	-	(5)
Subtotal				1,645
Contingency (5.00%)				82
Total Contract Cost				1,727
Supervision, Inspection & Overhead (5.50%)				95
Total Request				1,822
Total Request (Rounded)				1,800
Installed Equipment - Other Appropriations				(46)

10.Description of Proposed Construction Construct a 2-story operations building, with covered platform, loading ramp and elevated floor. Facility includes administration space, arms room, electronic surveillance system, Nuclear, Biological and Chemical (NBC) room, classroom, ammunition room, operations center, technical supply (humidity controlled), and distribution equipment maintenance area. Work includes all utilities services, fire protection and alarm/detection system, paved roads, site improvements and communications. Heat will be provided from a central heating plant. Demolish four (4) buildings (46,552 SF).

11. REQUIREMENT: 36,000 SF ADEQUATE: None SUBSTANDARD: 46,552 SF

PROJECT: Construct a general purpose operations building.

REQUIREMENT: This project is required to provide sufficient and centralized space for production, control and storage of topographic products as well as company administration space and an area for maintenance of topographic equipment.

CURRENT SITUATION: The 630th Engineer company is currently sharing space with the 585th Engineer Company because the buildings the 630th was operating in have been condemned. Six Topographic Support System (TSS) vans have arrived for the 630th Engineer Company. The current operations area cannot

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Tompkins Barracks, Heidelberg, Germany		
4.PROJECT TITLE Operations Building		5.PROJECT NUMBER 2296

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
accommodate these vans, and the length and height of the existing ramp is inadequate. Maneuverability between existing buildings is very limited. There is no drainage system for the toxic chemicals which must be periodically drained from the vans. Supplies and equipment are housed in a building without humidity or temperature controls, and with doors too small for forklifts.

IMPACT IF NOT PROVIDED: If this project is not provided, readiness will suffer because the 630th Engineer Company will not be able to use their new TSS vans for normal operations. Continued use of shared facilities will promote inefficiency and adversely affect the morale and mission accomplishment of the unit.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....MAY 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....OCT 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 63
(b) All Other Design Costs 58
(c) Total Cost 121
(d) Contract 70
(e) In-house 51

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Electronic Surveillance	OPA	86	46
		TOTAL	46

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Reichel Kaserne Rheinberg, Germany	4. PROJECT TITLE Barracks with Dining

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 721	7. PROJECT NUMBER 2297	8. PROJECT COST ($000) Auth 14,800 Approp 14,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				12,078
New Barracks	SF	144,905	57.38	(8,314)
Dining Facility - Conversion	SF	13,106	95.66	(1,254)
Admin & Supply - Conversion	SF	69,241	35.89	(2,485)
IDS (Installn Cost Only)	LS	-	-	(25)
Supporting Facilities				1,236
Electric Service	LS	-	-	(262)
Water, Sewer & Gas	LS	-	-	(311)
Steam, Chilled Water & Heat Distribution	LS	-	-	(74)
Paving, Walks, Curbs & Gutters	LS	-	-	(70)
Storm Drainage	LS	-	-	(25)
Site Improvement (57) Demolition (27)	LS	-	-	(84)
Communication	LS	-	-	(410)
Subtotal				13,314
Contingency (5.00%)				666
Total Contract Cost				13,980
Supervision, Inspection & Overhead (5.50%)				769
Total Request				14,749
Total Request (Rounded)				14,800
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Convert open bay warehouse space into an enlisted personnel dining facility, and unit administration and supply, including arms rooms; and construct a barracks addition to the existing buildings. Work in the areas to be converted will include walls ceilings, ventilation, insulation, connection to existing utility systems, modification of the existing sprinkler systems, and construction of emergency exit staircase. Heating will be from the central heating plant. Demolish five (5) buildings (32,548 SF). Mechanical ventilation : 490,000 CFM.

11. REQUIREMENT: 561 PN ADEQUATE: None SUBSTANDARD: None

PROJECT: Convert space to provide company administration and supply, and build an enlisted barracks addition.

REQUIREMENT: This project is required to provide adequate housing for 442 E1-E4, 115 E5-E6, 4 E7-E9 (intended utilization), with a maximum utilization of 688. This project is required to also provide dining and and supply facilities for units assigned, and to be assigned, to 7th Support Command (SUPCOM) and 54th Area Support Group (ASG).

CURRENT SITUATION: There are no government housing or dining facilities in the Rheinberg area. Personnel live in private rental accommodations (homes, apartments, hotels and pensions) on the local economy, and must cook their own

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Reichel Kaserne, Rheinberg, Germany

4. PROJECT TITLE Barracks with Dining	5. PROJECT NUMBER 2297

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
meals or eat in restaurants. There are serious morale problems because of cost and because of transportation difficulties. Lack of billets also causes unaccompanied personnel to be in competition with married personnel for family housing. Present unit administration and supply functions are located in authorized leased space which is too small for the full requirement.

IMPACT IF NOT PROVIDED: If this project is not provided, the stationing of additional personnel required to perform the logistical support mission in Northern Army Group (NORTHAG) may be prevented, and morale of currently stationed personnel will remain low.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... APR 85
- (b) Percent Complete As Of January 1986 35
- (c) Percent Complete As Of October 1986 90
- (d) Date Design Complete .... FEB 87

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 227
- (b) All Other Design Costs 560
- (c) Total Cost 787
- (d) Contract 440
- (e) In-house 347

(4) Construction Start .... JUN 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Reichel Kaserne Rheinberg, Germany	4.PROJECT TITLE Logistical Supply Facility

5.PROGRAM ELEMENT 22311A	6.CATEGORY CODE 214	7.PROJECT NUMBER 2301	8.PROJECT COST ($000) Auth 6,700 Approp 6,700

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,200
Vehicle Maint Fac (Rehab)	SF	39,025	59.51	(2,322)
Vehicle Maint Fac (Ofc Space)	SF	15,500	49.99	(775)
Concrete Aprons	SY	29,000	35.70	(1,035)
Access Doors	LS	-	-	(68)
Supporting Facilities				1,615
Electric Service	LS	-	-	(493)
Water, Sewer & Gas	LS	-	-	(328)
Steam, Chilled Water & Heat Distribution	LS	-	-	(59)
Paving, Walks, Curbs & Gutters	LS	-	-	(105)
Storm Drainage	LS	-	-	(288)
Site Improvement	LS	-	-	(243)
Communication	LS	-	-	(99)
Subtotal				5,815
Contingency (10.00%)				582
Total Contract Cost				6,397
Supervision, Inspection & Overhead (5.50%)				352
Total Request				6,749
Total Request (Rounded)				6,700
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Convert warehouse to tactical equipment maintenance shops to include twenty (20) maintenance bays, seven (7) maintenance pits, tools, front end adjustment, brake testing, inspection, steam cleaning, storage, paint shop, paint storage, sand/shot and walnut blasting. Construct a second floor consisting of space for mechanical room and administration. Install nine (9) bay doors in exterior walls of existing building adjacent to area to be modernized to enable access. Construct required concrete aprons, sidewalks, and POL separators. Heating will be provided from the central plant.

11. REQUIREMENT: 101,593 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a vehicle maintenance complex.

REQUIREMENT: These facilities are required to establish the operations in the Northern Army Group area. Maintenance and storage facilities are required for fifteen (15) units.

CURRENT SITUATION: The establishment of the 7th Support Command and 54th Area Support Group at Rheinberg was accomplished in leased space in the Reichel Complex. Some of the leased space is used for storage and issue of materiel and for the maintenance of assigned vehicles. However, this space is not adequate in size, is not functional, and does not meet fire regulations.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Reichel Kaserne, Rheinberg, Germany

4.PROJECT TITLE Logistical Supply Facility	5.PROJECT NUMBER 2301

The nearest existing logistical support facility is more than two hours away, resulting in much time being wasted in obtaining logistical support.

IMPACT IF NOT PROVIDED: If this project is not provided, the Northern Army Group expansion program will continue to be delayed. Units operating out of limited leased space will continue to travel over two hours to obtain required logistical support.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... APR 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 80
(d) Date Design Complete .... MAY 87

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications	224
(b) All Other Design Costs	291
(c) Total Cost	515
(d) Contract	361
(e) In-house	154

(4) Construction Start .... SEP 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Reichel Kaserne Rheinberg, Germany	4.PROJECT TITLE Administrative Space Alterations

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 610	7.PROJECT NUMBER 2303	8.PROJECT COST ($000) Auth 7,200 Approp 7,200

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,756
UPC Corridors (Fire Protection)	SF	64,560	16.33	(1,054)
Chapel Conversion	SF	16,605	48.80	(810)
Mail Area/Property Book Office	SF	7,403	29.76	(220)
Access Corridor	LS	-	-	(185)
Secure Conference Room	LS	-	-	(48)
See Cost Estimates (Continued)				(1,439)
Supporting Facilities				2,488
Electric Service	LS	-	-	(119)
Water, Sewer & Gas	LS	-	-	(411)
Steam, Chilled Water & Heat Distribution	LS	-	-	(99)
Paving, Walks, Curbs & Gutters	LS	-	-	(1,197)
Storm Drainage	LS	-	-	(146)
Site Improvement	LS	-	-	(145)
Communication	LS	-	-	(371)
Subtotal				6,244
Contingency (10.00%)				624
Total Contract Cost				6,868
Supervision, Inspection & Overhead (5.50%)				378
Total Request				7,246
Total Request (Rounded)				7,200
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Install fire protection improvements in the existing administration building to comply with safety codes. Convert unfinished warehouse space in the vicinity of the planned community area into a chapel. Convert portion of existing administration building into a mail processing/mailbox area and property book office. Modify parts of the administration building to provide secure conference room, secret document vault, finance vault and computer room, construct a parking lot and access. Project will also upgrade electrical, water, sewer, fire protection, sprinkler, communications systems, exterior lighting. Construct a fence and install an intrusion detection system (IDS).

11. REQUIREMENT: 187,015 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Install fire protection systems, convert warehouse space to chapel, convert administrative space to needed facilities.

REQUIREMENT: This project is required to provide fire protection systems, convert warehouse space to a chapel, and convert administrative space to provide a mail processing/mailbox area and property book office, and to modify parts of the administration building to provide secure conference room, secret document vault, finance vault and computer room.

CURRENT SITUATION: The 7th Support Command, some elements of the 54th Area

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Reichel Kaserne, Rheinberg, Germany		
4.PROJECT TITLE Administrative Space Alterations		5.PROJECT NUMBER 2303

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Secret Document Vault	LS	-	-	48
Computer Room	LS	-	-	23
Finance Vault	LS	-	-	12
IDS (Installation Cost Only)	LS	-	-	35
Electric Power Upgrade	LS	-	-	1,321
			Total	1,439

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
Support Group, and other assigned units are presently using leased administration and warehouse space in the Reichel facility. Additional space not presently available is needed to house units being assigned to the Reichel area. No other facilities are available.

IMPACT IF NOT PROVIDED: If this project is not provided, there will not be sufficient office space to establish the community Base Operations Army Group functions and allow the stationing of new units that will provide the command and control elements in the Northern Army Group area.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	APR 85
(b) Percent Complete As Of January 1986	35
(c) Percent Complete As Of October 1986	95
(d) Date Design Complete	JAN 87

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	112
(b) All Other Design Costs	203
(c) Total Cost	315
(d) Contract	202
(e) In-house	113

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Reichel Kaserne, Rheinberg, Germany		
4. PROJECT TITLE Administrative Space Alterations		5. PROJECT NUMBER 2303

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start .... JUN 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	4. PROJECT TITLE Utilities

5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 890	7. PROJECT NUMBER 2305	8. PROJECT COST ($000) Auth 36,000 Approp 36,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				28,030
Water and Sewer Distribution	LS	-	-	(10,400)
Electric Service Distribution	LS	-	-	(6,282)
Heat System Distribution	LS	-	-	(2,128)
Roadway Expansion	LS	-	-	(9,220)
Supporting Facilities				4,837
Site Improvement (727) Demolition (21)	LS	-	-	(748)
Communication	LS	-	-	(2,968)
Energy Monitor & Control System	LS	-	-	(1,121)
Subtotal				32,867
Contingency (5.00%)				1,643
Total Contract Cost				34,510
Supervision, Inspection & Overhead (5.50%)				1,898
Total Request				36,408
Total Request (Rounded)				36,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Expand the existing utilities infrastructure to include the addition of a 40MBTU coal fired boiler to the existing heating plant, installation of 33,000 linear feet of sanitary sewer, and 10,000 linear feet of storm drain with 150 liter/second POL separator and retention basin. Also construct a 750,000 gallon water reservoir with 1000 gallon/minute pump, install 56,500 linear feet of water distribution lines and 50 fire hydrants. Demolish three (3) buildings (4,945 SF).

11. REQUIREMENT: 40 MB ADEQUATE: 21 MB SUBSTANDARD: None

PROJECT: Expand existing utilities.

REQUIREMENT: This project is required to provide utilities services and support for facilities to be constructed in conjunction with the stationing of five battalions at South Camp Vilseck. This project is supplemental to FY 82 MCA Project Number 969 which provides central heating services only for three armor battalions. This project will provide central heating, storm drainage, sanitary sewer and water supply to facilities for the fourth and fifth battalions.

CURRENT SITUATION: The existing heat plant, water reservoir, and electrical transformer stations do not have adequate capacity to support the new facilities. The distribution systems for these utilities are also not

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
South Camp Vilseck, Vilseck, Germany

4. PROJECT TITLE
Utilities

5. PROJECT NUMBER
2305

extensive enough to provide service to the facilities needed by these two battalions.

IMPACT IF NOT PROVIDED: If this project is not provided, complete and usable facilities to accommodate the additional organizations cannot be provided, the units will remain in their current locations, and USAREUR's mission will be jeopardized.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	MAY 85
(b) Percent Complete As Of January 1986	40
(c) Percent Complete As Of October 1986	97
(d) Date Design Complete	NOV 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e):

	($000)
(a) Production of Plans and Specifications	623
(b) All Other Design Costs	1,290
(c) Total Cost	1,913
(d) Contract	1017
(e) In-house	896

(4) Construction Start .... MAR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION South Camp Vilseck Vilseck, Germany	4.PROJECT TITLE Barracks

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 721	7.PROJECT NUMBER 2306	8.PROJECT COST ($000) Auth 6,800 Approp 6,800

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,259
Barracks	SF	76,800	55.93	(4,296)
Company Administration & Supply	SF	16,800	55.93	(940)
IDS (Installation Cost Only)	LS	-	-	(23)
Supporting Facilities				904
Electric Service	LS	-	-	(31)
Water, Sewer & Gas	LS	-	-	(87)
Steam, Chilled Water & Heat Distribution	LS	-	-	(37)
Paving, Walks, Curbs & Gutters	LS	-	-	(285)
Storm Drainage	LS	-	-	(311)
Site Improvement	LS	-	-	(145)
Communication	LS	-	-	(8)
Subtotal				6,163
Contingency (5.00%)				308
Total Contract Cost				6,471
Supervision, Inspection & Overhead (5.50%)				356
Total Request				6,827
Total Request (Rounded)				6,800
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct two (2) barracks with three (3) company administration and supply rooms, all utilities and parking. Unit arms room will include an intrusion detection system (IDS). Heat to be supplied from the central heat plant. Mechanical ventilation: 258,000 CFM.

11. REQUIREMENT: 2,361 PN ADEQUATE: 1,979 PN SUBSTANDARD: None

PROJECT: Construct two barracks buildings with administration and supply space.

REQUIREMENT: This project is required to provide adequate housing for 292 E1-E4, 36 E5-E7, 5 E7-E9 (intended utilization), with a maximum utilization of 384.

CURRENT SITUATION: Existing barracks and company administration and supply space at Vilseck is being fully used by personnel presently assigned to the installation.

IMPACT IF NOT PROVIDED: If this project is not provided, stationing of the new units of the Forward Support Battalion at Vilseck will not be possible.

ADDITIONAL: This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4.PROJECT TITLE Barracks		5.PROJECT NUMBER 2306

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAY 85
(b) Percent Complete As Of January 1986 40
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 115
(b) All Other Design Costs 248
(c) Total Cost 363
(d) Contract 192
(e) In-house 171

(4) Construction Start .... NOV 86
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 06

3. INSTALLATION AND LOCATION Greece Various Greece	4. COMMAND US ARMY EUROPE AND SEVENTH ARMY	5. AREA CONSTRUCTION COST INDEX .65

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,290
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	1,614
F. PLANNED IN NEXT THREE YEARS	1,691
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	4,595

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610	13	ADMIN FAC 78 USAAD KATSIMI	560	08/85	07/06
141	19	OPER BLDG MOD 88TH DRAMA	730	08/85	07/06
		SUBTOTAL PROJECTS $1M & LESS	1,290		
		TOTAL	1,290		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($600)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
610	ADMIN FACS KOROPI	464
610	COMMUNICATIONS FAC ELEFSIS	730
610	OPERATIONS BLDG ELEFSIS	420
	SUBTOTAL PROJECTS $1M & LESS	1,614
	TOTAL	1,614
B. PLANNED NEXT THREE PROGRAM YEARS :		
610	BLDS MOD ELEFSIS	1,691
	SUBTOTAL PROJECTS OVER $1M	1,691
	TOTAL	1,691

10. MISSION OR MAJOR FUNCTIONS:

USAREUR twin missions are deterring war and being able to win if attacked.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Greece Various Greece

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Italy Various Italy	4. COMMAND US ARMY EUROPE AND SEVENTH ARMY	5. AREA CONSTRUCTION COST INDEX 1.08

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	610
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	3,845
F. PLANNED IN NEXT THREE YEARS....................................	109,086
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	113,541

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	166	BARRACKS ZELO	610	04/84	12/85
		SUBTOTAL PROJECTS $1M & LESS	610		
		TOTAL	610		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
141	CARE & PRESER BLDG LIVORNO	2,345
	SUBTOTAL PROJECTS OVER $1M	2,345
530	CONSOL VETERINARY FAC EDLE	500
821	UTIL SYS REN CP DARBY	1,000
	SUBTOTAL PROJECTS $1M & LESS	1,500
	TOTAL	3,845
B. PLANNED NEXT THREE PROGRAM YEARS :		
510	HOSPITAL UPGR VICENZA	28,000
441	HUMIDITY WHSE'S	11,200
	SUBTOTAL PROJECTS OVER $1M	39,200
	TOTAL	39,200

10. MISSION OR MAJOR FUNCTIONS:

USAREUR twin missions are deterring war and being able to win if attacked. Support of US Army, Europe.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Italy Various Italy

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED DD FORM 1 DEC 76 DD1390C

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
OTHER MACOMS

INSTALLATION PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Assistant Chief of Engineers					
Location(s) in CONUS					633
4	Classified Project		7,400	7,400	635
	SUBTOTAL FOR Location(s) in CONUS	$	7,400	7,400	
	*TOTAL Assistant Chief of Engineers	$	7,400	7,400	
US Army Strategic Defense Command					
Kwajalein Various					637
231	Multiple Object Tracking Facility		2,400	2,400	639
240	Mission Control Center Modification		5,100	5,100	642
241	Unaccompanied Officers Housing		11,000	11,000	644
244	Harbor/Channel Dredging		2,100	2,100	646
	SUBTOTAL FOR Kwajalein Various	$	20,600	20,600	
	*TOTAL US Army Strategic Defense Command	$	20,600	20,600	
Military Traffic Management Command					
Sunny Point Military Ocean Terminal, NC					649
55	Provost Marshal Facility (SEE $1.0 M)		650	650	736
	SUBTOTAL FOR Sunny Point Military Ocean Terminal	$	650	650	
	*TOTAL Military Traffic Management Command	$	650	650	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
OTHER MACOMS

INSTALLATION	PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Forces Command						
Honduras Various						651
	3	Contingency Facility		0	4,900	653
		SUBTOTAL FOR Honduras Various	$	0	4,900	
Fort Kobbe, PN						655
	19	Aircraft Parking Apron Extension (SEE $1.0 M)		420	420	737
		SUBTOTAL FOR Fort Kobbe	$	420	420	
OCONUS Location(s) Unspecified						657
	7	Pre Positioned War Material Facilities		4,900	4,900	659
	8	Classified Project		4,000	4,000	661
		SUBTOTAL FOR OCONUS Location(s) Unspecified	$	8,900	8,900	
		*TOTAL US Army Forces Command	$	9,320	14,220	
US Army Information Systems Command						
Fort Huachuca, AZ						663
	159	Electronic Test And Evaluation Center		3,400	3,400	665
	172	Communication Test Facility		5,600	5,600	668
	200	General Instruction Building		8,200	8,200	671
		SUBTOTAL FOR Fort Huachuca	$	17,200	17,200	
		*TOTAL US Army Information Systems Command	$	17,200	17,200	
US Army Intelligence and Security Command						
Location 177, KO						673
	34	Power Upgrade		1,950	1,950	675
		SUBTOTAL FOR Location 177	$	1,950	1,950	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
OTHER MACOMS

INSTALLATION PN	PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
US Army Intelligence and Security Command (Cont.)				
Location 276, TK				677
152	Barracks Modernization	3,700	3,700	679
	SUBTOTAL FOR Location 276	$ 3,700	3,700	
Location 280, GE				681
6	Air Conditioning Upgrade	2,100	2,100	683
	SUBTOTAL FOR Location 280	$ 2,100	2,100	
	*TOTAL US Army Intelligence and Security Command	$ 7,750	7,750	
US Army Japan				
Japan Various				685
170	Medical Supply Warehouse	1,200	1,200	687
	SUBTOTAL FOR Japan Various	$ 1,200	1,200	
	*TOTAL US Army Japan	$ 1,200	1,200	
US Army Military District of Washington				
Fort Myer, VA				689
94	Physical Fitness Training Center	3,800	3,800	691
	SUBTOTAL FOR Fort Myer	$ 3,800	3,800	
	*TOTAL US Army Military District of Washington	$ 3,800	3,800	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Locations(s) in Conus U S Various	4. COMMAND ASSISTANT CHIEF OF ENGINEERS	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	7,400
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	7,400

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141	4	CLASSIFIED PROJECT	7,400	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	7,400		
		TOTAL	7,400		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Location(s) in CONUS, U S Various	4.PROJECT TITLE Classified Project

5.PROGRAM ELEMENT 91212A	6.CATEGORY CODE 141	7.PROJECT NUMBER 4	8.PROJECT COST ($000) Auth 7,400 Approp 7,400

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,700
Classified Project	LS	-	-	(6700)
Supporting Facilities				0
Subtotal				6,700
Contingency (5.00%)				335
Total Contract Cost				7,035
Supervision, Inspection & Overhead (5.50%)				387
Total Request				7,422
Total Request (Rounded)				7,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction This project covers classified activities at various locations. Additional information concerning the requirement associated with this project will be provided to Congress during the review of Military Construction Army, Fiscal Year 1987 Authorization/Appropriation Request.

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD: None
PROJECT: To be provided during Congressional review of MCA request.
REQUIREMENT: To be provided during Congressional review of MCA request.
CURRENT SITUATION: To be provided during Congressional review of MCA request.
IMPACT IF NOT PROVIDED: To be provided during Congressional review of MCA request.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....N/A
(b) Percent Complete As Of January 1986 ....N/A
(c) Percent Complete As Of October 1986 ....N/A

DD FORM 1 DEC 76 DD1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Location(s) in CONUS, U S Various		
4. PROJECT TITLE Classified Project		5. PROJECT NUMBER 4

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(1) Status: (Continued)

(d) Date Design Complete .... N/A

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications .... N/A

(b) All Other Design Costs .... ____

(c) Total Cost .... ____

(d) Contract .... N/A

(e) In-house .... N/A

(4) Construction Start .... N/A
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Kwajalein Various Kwajalein	4. COMMAND US ARMY STRATEGIC DEFENSE COMMAND	5. AREA CONSTRUCTION COST INDEX 2.17

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	C	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	20,600
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	55,459
F. PLANNED IN NEXT THREE YEARS....................................	161,572
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	237,631

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
317	231	MULT OBJECT TRACKING FAC	2,400	02/82	05/86
312	240	MISSION CONTROL CTR MOD	5,100	01/85	04/86
724	241	BOQ ROI NAMUR ISLAND	11,000	07/85	04/86
165	244	HARBOR/CHANNEL DREDGING	2,100	07/85	02/86
		SUBTOTAL PROJECTS OVER $1M	20,600		
		TOTAL	20,600		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :	
312	LAUNCH COMPLEX DOT/FAS	2,950
832	WASTEWATER COLLECT UPGR	2 262
317	RADAR BUILDING MOD	1,210
811	POWER PLT ENNYLABEGAN	5,593
811	REPLACE POWER PLANTS	29 617
211	HANGAR HELICOP MAINT	5,553
155	AIR CUSH VEH SUP FACS	5,553
317	RANGE TECHNICAL FACS	1,323
317	MULTI STATIC MEAS SYS	1,398
	SUBTOTAL PROJECTS OVER $1M	55,459
	TOTAL	55,459

10. MISSION OR MAJOR FUNCTIONS:

Coordinate all planning, direction and control of the work and associated resources in testing and logistical support involved in developing effective weapons systems for all users of this National Range.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Kwajalein Various Kwajalein

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Kwajalein Various, Kwajalein	4. PROJECT TITLE Multiple Object Tracking Facility

5. PROGRAM ELEMENT 65301A	6. CATEGORY CODE 317	7. PROJECT NUMBER 231	8. PROJECT COST ($000) Auth 2,400 Approp 2,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,139
Concrete Structure Complete	SF	1,200	174.00	(209)
Radar Ant Foundation Pedestal	SF	1,200	50.00	(60)
Communication Building	SF	300	200.00	(60)
Tower Rehab	LS	-	-	(55)
Concrete Stairway	LS	-	-	(25)
See Cost Estimates (Continued)				(730)
Supporting Facilities				1,049
Electric Service	LS	-	-	(121)
Water, Sewer & Gas	LS	-	-	(30)
Paving, Walks, Curbs & Gutters	LS	-	-	(47)
Site Improvement	LS	-	-	(501)
Communication	LS	-	-	(302)
Security Fence/Lighting	LS	-	-	(48)
Subtotal				2,188
Contingency (5.00%)				109
Total Contract Cost				2,297
Supervision, Inspection & Overhead (5.50%)				126
Total Request				2,423
Total Request (Rounded)				2,400
Installed Equipment - Other Appropriations				(19,000)

10. Description of Proposed Construction Construct a reinforced concrete shelter with an ICBM hardened roof complete with utilities, communications and signal ducts. Included is an air conditioned maintenance and repair building with restroom facilities. Construct a radar antenna foundation and access pad complete with utilities. Support facilities include extending the power distribution and fresh water systems, utilities, fencing, grounding systems, fill/revetment, fire protection, intrusion detection system and boresight tower foundation.

11. REQUIREMENT: 2,700 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct a radar complex with support facilities.

REQUIREMENT: This project is required to provide modernization and improvement of range instrumentation systems to accommodate the newly developed Multiple Object Tracking Radar which will provide superior and improved monitoring and control of the acquisition and track of multiple targets impacting at Kwajalein Missile Range (KMR). The trailer housed equipment will be placed under the hardened roof structure for protection of personnel from target corridor ICBM debris.

CURRENT SITUATION: The KMR serves all users having a broad variety of data gathering and transmission requirements. As such, rapid response to changes or increased requirements is mandatory if the KMR is to adequately and

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Kwajalein Various, Kwajalein		
4. PROJECT TITLE Multiple Object Tracking Facility		5. PROJECT NUMBER 231

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Electrical Equipment Building	LS	-	-	65
Mobilization & Demobilization	LS	-	-	665
			Total	730

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

effectively support these users. The instrumentation sites, currently located throughout the Atoll, are equipped with the latest state-of-the-art equipment. However, new technological break-throughs are occurring at a rapid rate and the procurement and implacement of such equipment coupled with the construction of supporting facilities is necessary to prove the concept under actual field operating conditions.

IMPACT IF NOT PROVIDED: If this project is not provided, KMR will be unable to meet the requirements of Range users for state-of-the-art data gathering and transmission capabilities.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... FEB 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 96
(b) All Other Design Costs 20
(c) Total Cost 116
(d) Contract 96
(e) In-house 20

(4) Construction Start .... MAR 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Kwajalein Various, Kwajalein

4.PROJECT TITLE Multiple Object Tracking Facility	5.PROJECT NUMBER 231

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Multiple Object		FY84	19000
		4.0M	
Tracking Radar	RDTE	FY86	
		7.5M	
		FY87	
		3.5M	
		FY88	
		4.0M	
		TOTAL	19,000

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Kwajalein Various, Kwajalein	4.PROJECT TITLE Mission Control Center Modification

5.PROGRAM ELEMENT 65301A	6.CATEGORY CODE 312	7.PROJECT NUMBER 240	8.PROJECT COST ($000) Auth 5,100 Approp 5,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,610
Mission Control Center Mod	SF	17,233	209.48	(3,610)
Supporting Facilities				827
Electric Service	LS	-	-	(512)
Site Improvement (0) Demolition (15)	LS	-	-	(15)
Mobilization/Demobilization	LS	-	-	(300)
Subtotal				4,437
Contingency (10.00%)				444
Total Contract Cost				4,881
Supervision, Inspection & Overhead (5.50%)				268
Total Request				5,149
Total Request (Rounded)				5,100
Installed Equipment - Other Appropriations				(18,800)

10.Description of Proposed Construction Modify engineering support/administration building to include raised flooring, shielding, expansion of air conditioning and electrical power systems, wall partitions, grounding, lighting, fire protection systems, closed circuit television (CCTV) and communication systems, intrusion detection and operations security systems, instrumentation pads and foundations with interconnecting utilities. Air conditioning: 130 tons.

11. REQUIREMENT: 17,233 SF ADEQUATE: None SUBSTANDARD: 16,000 SF

PROJECT: Modify/convert an engineering support/administrative area to a centralized mission control center.

REQUIREMENT: This project is required to house range operations, data processing, and range safety equipment and personnel in support of the Ballistic Missile Defense Systems Command in its mission as a Major Range and Test Facility Base Activity.

CURRENT SITUATION: The existing mission control activities are decentralized among three widely separated locations on Kwajalein Island. These widely separated mission control locations are detrimental to effective launch operations by not being consolidated in a central location to allow direct command monitoring of all mission control functions and provide for

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Kwajalein Various, Kwajalein

4.PROJECT TITLE Mission Control Center Modification	5.PROJECT NUMBER 240

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
effective operations security measures.

IMPACT IF NOT PROVIDED: If this project is not provided, coordination and optimum mission control will continue to be extremely difficult to maintain because of decentralized locations, increasingly stringent user requirements, lack of adequate space for new equipment installation and increased emphasis on operations security requirements.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... JAN 85
(b) Percent Complete As Of January 1986 50
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... APR 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 90
(b) All Other Design Costs 20
(c) Total Cost 110
(d) Contract 0
(e) In-house 110

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations.

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Communication Equip	RDTE	84/ 85	3700
Range Control Equip	RDTE	84/ 89	15100
		TOTAL	18,800

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Kwajalein Various, Kwajalein	4. PROJECT TITLE Unaccompanied Officers Housing

5. PROGRAM ELEMENT 65301A	6. CATEGORY CODE 724	7. PROJECT NUMBER 241	8. PROJECT COST ($000) Auth 11,000 Approp 11,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				8,337
Unacc Officers Housing-Civilian	SF	63,550	131.18	(8,337)
Supporting Facilities				1,681
Electric Service	LS	-	-	(146)
Water, Sewer & Gas	LS	-	-	(59)
Paving, Walks, Curbs & Gutters	LS	-	-	(55)
Site Improvement	LS	-	-	(283)
Communication	LS	-	-	(15)
Mobilize and Demobilize	LS	-	-	(1,123)
Subtotal				10,018
Contingency (5.00%)				501
Total Contract Cost				10,519
Supervision, Inspection & Overhead (5.50%)				579
Total Request				11,098
Total Request (Rounded)				11,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of civilian unaccompanied officers housing, complete with required utilities, fire detection and alarm systems, paving, communications, and site improvements. Laundry room facilities are included. Air conditioning: 143 tons.

11. REQUIREMENT: 270 PN ADEQUATE: None SUBSTANDARD: 169 PN

PROJECT: Construct civilian unaccompanied officers housing.

REQUIREMENT: This project is required to provide adequate civilian unaccompanied officers housing for civilian personnel assigned to the Kiernan Reentry Measurements System (KREMS) complex located on Roi-Namur island. Adequate housing for 100 civilians (intended and maximum utilization) will be provided.

CURRENT SITUATION: Existing civilian housing was built in increments beginning in 1961 and extending to 1971. Total capacity of existing housing is approximately 169, and it remains substandard. The influx of additional personnel supporting new Ballistic Missile Defense (BMD) and range user programs on Roi-Namur has caused overcrowding and some personnel are now required to commute on a daily basis from Kwajalein Island to the Roi-Namur site, resulting in increased transportation costs and travel time.

IMPACT IF NOT PROVIDED: If this project is not provided, both permanent and

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Kwajalein Various, Kwajalein		
4.PROJECT TITLE Unaccompanied Officers Housing		5.PROJECT NUMBER 241

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

TDY personnel will continue to live in substandard facilities or be forced to commute on a daily basis. These conditions will adversely affect mission accomplishment, morale, retention rates, and continue to require additional transportation and commuting costs.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	JUL 85
(b) Percent Complete As Of January 1986	50
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ______________________

(3) Total Cost (c) = (a)+(b) or (d)+(e):	($000)
(a) Production of Plans and Specifications	292
(b) All Other Design Costs	50
(c) Total Cost	342
(d) Contract	292
(e) In-house	50

(4) Construction Start .... MAR 87 (month & year)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Kwajalein Various, Kwajalein	4. PROJECT TITLE Harbor/Channel Dredging

5. PROGRAM ELEMENT 65301A	6. CATEGORY CODE 165	7. PROJECT NUMBER 244	8. PROJECT COST ($000) Auth 2,100 Approp 2,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,807
Dredging - Gillinam	CY	2,200	34.16	(75)
Dredging - Legan	CY	7,900	34.16	(270)
Dredging - Ennylabegan	CY	9,100	27.33	(249)
Dredging - Kwajalein	CY	4,100	13.66	(56)
Transport Stock - Gellinam	CY	2,200	33.18	(73)
See Cost Estimates (Continued)				(1,084)
Supporting Facilities				0
Subtotal				1,807
Contingency (10.00%)				181
Total Contract Cost				1,988
Supervision, Inspection & Overhead (5.50%)				109
Total Request				2,097
Total Request (Rounded)				2,100
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Provide dredging of harbors, channels, turning basins, berthing piers, and access lanes to ramps and docks. Relocate harbor buoys and channel markers. Transport and stockpile dredged material.

11. REQUIREMENT: 25,500 CY ADEQUATE: None SUBSTANDARD: 25,500 CY

PROJECT: Provide harbor/channel dredging.

REQUIREMENT: This project is required in direct support of the Kwajalein Missile Range (KMR). The KMR sea-lanes are subjected to coral growth as well as silting action by shifting coral sand resulting in the formation of shallow areas throughout the atoll. Dredging to depths ranging from minus 9 feet MLW to minus 20 feet MLW is necessary to allow the timely delivery of supplies, instrumentation, and ordnance to the outer islands for mission support.

CURRENT SITUATION: Navigation in the harbors and channels is becoming hazardous, especially during periods of low tides due to coral growth and silting action throughout the atoll.

IMPACT IF NOT PROVIDED: If this project is not provided, continued buildup of coral outcroppings and silting sand will prohibit the safe use of the KMR harbors and channels by surface vessels.

12. SUPPLEMENTAL DATA:

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Kwajalein Various, Kwajalein		
4.PROJECT TITLE Harbor/Channel Dredging		5.PROJECT NUMBER 244

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Transport Stock - Legan	CY	7,900	30.26	239
Transport Stock - Ennylabegan	CY	9,100	15.62	142
Mobilization & Demobilization	LS	-	-	703
			Total	1,084

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUL 85

(b) Percent Complete As Of January 1986 50

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....APR 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 80

(b) All Other Design Costs 20

(c) Total Cost 100

(d) Contract 0

(e) In-house 100

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Sunny Point Military Ocean Terminal North Carolina	4. COMMAND MILITARY TRAFFIC MANAGEMENT COMMAND	5. AREA CONSTRUCTION COST INDEX .78

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	8	8	258	0	0	0	0	0	0	274
B. END FY 91	8	7	280	0	0	0	0	0	0	295

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 10,324 AC

B. INVENTORY TOTAL AS OF 30 SEP 85....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	650
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	1,740
F. PLANNED IN NEXT THREE YEARS....................................	3,400
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	5,790

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
610	55	PROVOST MARSHALL FACILITY	650	06/83	08/86
		SUBTOTAL PROJECTS $1M & LESS	650		
		TOTAL	650		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
452	CHASSIS STAGING AREA	920
860	RAIL IMPROVEMENTS	430
149	LOADING DOCK/IMPROVEMENTS	390
	SUBTOTAL PROJECTS $1M & LESS	1,740
	TOTAL	1,740
B. PLANNED NEXT THREE PROGRAM YEARS :		
149	300 SERIES HOLDING PAD IMP	1,700
851	RIVER RD IMPRV & TRUCK PAD	1,700
	SUBTOTAL PROJECTS OVER $1M	3,400
	TOTAL	3,400

10. MISSION OR MAJOR FUNCTIONS:

Shipment of containized and breakbulk ammunition cargo.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Sunny Point Military Ocean TerminalNorth Carolina

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Honduras Various Honduras	4. COMMAND US ARMY FORCES COMMAND	5. AREA CONSTRUCTION COST INDEX 1.04

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85....................................	0
C. AUTHORIZATION NOT YET IN INVENTORY....................................	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM....................................	4,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM....................................	0
F. PLANNED IN NEXT THREE YEARS....................................	0
G. REMAINING DEFICIENCY....................................	0
H. GRAND TOTAL....................................	4,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
141	3	US MIL CONTINGENCY FAC	4,900	05/83	09/84
		SUBTOTAL PROJECTS OVER $1M	4,900		
		TOTAL	4,900		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)

A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE

B. PLANNED NEXT THREE PROGRAM YEARS : NONE

10. MISSION OR MAJOR FUNCTIONS:

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Honduras Various, Honduras	4.PROJECT TITLE Contingency Facility

5.PROGRAM ELEMENT 22396A	6.CATEGORY CODE 141	7.PROJECT NUMBER 3	8.PROJECT COST ($000) Auth 0 Approp 4,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,489
Aircraft Parking Apron	SY	10,456	43.92	(459)
Aircraft Maint Hangar	SF	15,872	68.32	(1,084)
Operation Building	SF	1,880	75.15	(141)
Admin and Supply Building	SF	1,880	75.15	(141)
Dining Facility	SF	2,780	126.88	(353)
See Cost Estimates (Continued)				(1,311)
Supporting Facilities				915
Electric Service	LS	-	-	(129)
Water, Sewer & Gas	LS	-	-	(244)
Paving, Walks, Curbs & Gutters	LS	-	-	(356)
Storm Drainage	LS	-	-	(49)
Site Improvement	LS	-	-	(116)
Communication	LS	-	-	(21)
Subtotal				4,404
Contingency (5.00%)				220
Total Contract Cost				4,624
Supervision, Inspection & Overhead (5.50%)				254
Total Request				4,878
Total Request (Rounded)				4,900
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct relocatable contingency facilities for operations, troop quarters, dining, recreation, administration and supply functions at Palmerola AB. Construct an aircraft parking apron and an aircraft maintenance hangar. Work to also include required utilities, paving, fencing security lighting, communications and site improvements.

11. REQUIREMENT: 41,282 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct contingency facilities for US military support units in support of a JCS mission.

REQUIREMENT: This project is required to establish a compound for use as a contingency facility for a company-sized unit with aircraft. This project will provide a secure, integrated living and working atmosphere, suitable for deployments of military units. Establishmnet of this facility will locate U.S. military personnel away from population centers and their high terrorist threat probabilities. Co-location with the host government military forces on this air base increases accessibility and security.

CURRENT SITUATION: There are presently no facilities for US military intelligence contingency deployments. Contingency mission personnel are now required to deploy under field living conditions, which, while acceptable for short stays, are unacceptable for indefinite deployments. Existing host

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Honduras Various, Honduras

4.PROJECT TITLE Contingency Facility	5.PROJECT NUMBER 3

9. Cost Estimates (Continued)

Item	U/M	Quantity	Unit Cost	Cost ($000)
Primary Facility (Continued)				
Officer Barracks	SF	5,690	72.22	411
Enlisted Barracks	SF	13,180	68.32	900
			Total	1,311

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
government military facilities are not available for US military use, and those that exist are heavily overcrowded and lack adequate sanitation facilities.

IMPACT IF NOT PROVIDED: Without this project, current U.S. plans will be significantly hampered. In addition, U.S. military teams will continue to be subject to terrorist threats in areas of high population density.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAR 85

(b) Percent Complete As Of January 1986 40

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....JUN 86

(2) Basis:

(a) Standard or Definitive Design - Yes ____ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 210

(b) All Other Design Costs 15

(c) Total Cost 225

(d) Contract 210

(e) In-house 15

(4) Construction Start .... JAN 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Kobbe Panama Canal Zo	4. COMMAND	5. AREA CONSTRUCTION COST INDEX 1.22

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	859	5912	4230	87	688	8120	637	1174	3575	24,282
B. END FY 91	1001	5663	3552	58	775	0	375	311	1662	13,397

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 7,742 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85	26,793
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	420
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	0
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	27,213

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
113	19	ACFT PKG APRON EXT	420	01/85	12/85
		SUBTOTAL PROJECTS $1M & LESS	420		
		TOTAL	420		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS : NONE		

10. MISSION OR MAJOR FUNCTIONS:

The missions of the 193rd Infantry Brigade are to defend the Canal, increase capability and professionalism of Latin American Armies, train U. S. Infantry Battalions to operate in a jungle environment, provide training support for partnership units, and to support U. S. Southern Command contingency missions.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION OCONUS Location(s) Unspecified Foreign Various	4. COMMAND ASSISTANT CHIEF OF ENGINEERS	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85..........	0
C. AUTHORIZATION NOT YET IN INVENTORY..........	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..........	8,900
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........	8,000
F. PLANNED IN NEXT THREE YEARS..........	7,000
G. REMAINING DEFICIENCY..........	0
H. GRAND TOTAL..........	23,900

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
421	0	CLASSIFIED PROJECT	4,000	00/00	00/00
442	7	PWRM STORAGE FACILITY	4,900	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	8,900		
		TOTAL	8,900		/

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
442	SWA PROJECTS	8,000
	SUBTOTAL PROJECTS OVER $1M	8,000
	TOTAL	8,000
B. PLANNED NEXT THREE PROGRAM YEARS :		
442	SWA PROJECTS	7,000
	SUBTOTAL PROJECTS OVER $1M	7,000
	TOTAL	7,000

10. MISSION OR MAJOR FUNCTIONS:

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: OCONUS Location(s) Unspecified Foreign Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	(0000)
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION OCONUS-Location(s) Unspecified, Foreign Va	4.PROJECT TITLE Pre-Positioned War Material Facilities

5.PROGRAM ELEMENT 22696A	6.CATEGORY CODE 442	7.PROJECT NUMBER 7	8.PROJECT COST ($000) Auth 4,900 Approp 4,900

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,077
War Reserves Storage Fac	SF	81,613	37.70	(3,077)
Supporting Facilities				1,165
Electric Service	LS	-	-	(200)
Water, Sewer & Gas	LS	-	-	(175)
Paving, Walks, Curbs & Gutters	LS	-	-	(200)
Site Improvement	LS	-	-	(240)
Communication	LS	-	-	(50)
Fencing	LS	-	-	(300)
Subtotal				4,242
Contingency (10.00%)				424
Total Contract Cost				4,666
Supervision, Inspection & Overhead (5.50%)				257
Total Request				4,923
Total Request (Rounded)				4,900
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct storage facilities for a portion of the critical war reserves for U.S. Army forces of the U.S. Central Command in Southwest Asia (USARCENT). Construction will include refrigerated storage for rations and medical supplies; and enclosed storage for Class II, packaged Class III, some Class IV, Class VI, and Class IX items using architectural fabric structures (AFS) where appropriate. Provisions are also included for supplementing host nation power and water to meet refrigeration and water demands when necessary.

11. REQUIREMENT: 1 EA ADEQUATE: None SUBSTANDARD: None

PROJECT: Construct storage and administrative facilities.

REQUIREMENT: Facilities are required to store war reserves for the U.S. Army Forces of the U.S. Central Command in Southwest Asia (SWA). Storage and administrative facilities are required to properly safeguard millions of dollars worth of supplies. Most classes of supplies will be stored at this location. The supplies must be stored in SWA to reduce transportation time and lift requirements during the initial USARCENT deployment from CONUS.

CURRENT SITUATION: War reserve supplies are currently stored in CONUS at various locations and limited supplies are on the Near Term Pre-Positioning Fleet (NTPF). Sufficient transportation does not exist to deploy this

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION OCONUS-Location(s) Unspecified, Foreign Various		
4.PROJECT TITLE Pre-Positioned War Material Facilities		5.PROJECT NUMBER 7

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
material to SWA in a timely manner.
IMPACT IF NOT PROVIDED: If this project is not provided, the ability of U.S. Army forces to conduct sustained combat operations in the USCENTCOM area of operations will be severely limited, adversely affecting the ability of USARCENT to accomplish the mission assigned by USCENTCOM.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....________
(b) Percent Complete As Of January 1986 ....________
(c) Percent Complete As Of October 1986 ....________
(d) Date Design Complete ....________

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications .... ________
(b) All Other Design Costs .... ________
(c) Total Cost .... ________
(d) Contract .... ________
(e) In-house .... ________

(4) Construction Start .... ____________
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION OCONUS-Location(s) Unspecified, Foreign Va	4.PROJECT TITLE Classified Project

5.PROGRAM ELEMENT 22696A	6.CATEGORY CODE 421	7.PROJECT NUMBER 8	8.PROJECT COST ($000) Auth 4,000 Approp 4,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,000
Classified Project	LS	-	-	(4,000)
Supporting Facilities				0
Subtotal				4,000
Contingency (.00%)				
Total Contract Cost				4,000
Supervision, Inspection & Overhead (.00%)				
Total Request				4,000
Total Request (Rounded)				4,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction This project covers classified activities at various locations. Additional information concerning the requirement associated with this project will be provided to Congress during the review of Military Construction Army, Fiscal Year 1987 Authorization/Appropriation Request.

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD: None

PROJECT: To be provided during Congressional review of MCA request.

REQUIREMENT: To be provided during Congressional review of MCA request.

CURRENT SITUATION: To be provided during Congressional review of MCA request.

IMPACT IF NOT PROVIDED: To be provided during Congressional review of MCA request.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started ....______
(b) Percent Complete As Of January 1986 ....______
(c) Percent Complete As Of October 1986 ....______

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION OCONUS-Location(s) Unspecified, Foreign Various		
4.PROJECT TITLE Classified Project		5.PROJECT NUMBER 8

12. SUPPLEMENTAL DATA: (Continued)
A. Estimated Design Data: (Continued)
(1) Status: (Continued)
(d) Date Design Complete ....______

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications .... ______
(b) All Other Design Costs .... ______
(c) Total Cost .... ______
(d) Contract .... ______
(e) In-house .... ______

(4) Construction Start .... __________
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION FORT HUACHUCA Arizona	4. COMMAND US ARMY INFORMATION SYSTEMS COMMAND	5. AREA CONSTRUCTION COST INDEX 1.22

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	803	4479	4322	561	515	0	25	67	54	10,826
B. END FY 91	940	4523	3691	657	980	0	15	92	26	10,924

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	73,532 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	168,852
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	17,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	24,835
F. PLANNED IN NEXT THREE YEARS	144,675
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	355,562

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
317	159	COMM TEST & EVAL CENTER	3,400	09/82	06/85
317	172	COMMUNICATIONS TEST FAC	5,600	01/84	11/85
171	200	GEN INSTRUCTION FAC ASATC	8,200	01/85	05/86
		SUBTOTAL PROJECTS OVER $1M	17,200		
		TOTAL	17,200		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A.	INCLUDED IN THE FOLLOWING PROGRAM (FY 88)	
171	FLIGHT SIMULATOR BLG	7,101
730	FIRE STATION 2 STALL	1,530
442	MEDICAL SUPPLY WAREHOUSE	1,164
317	COMMUNICATION EQUIP FAC	11,600
911	LAND PURCHASES & CONDEM	2,084
	SUBTOTAL PROJECTS OVER $1M	23,479
723	ADMIN&SUPPLY ADDN	556
171	INST BLDG EXP	800
	SUBTOTAL PROJECTS $1M & LESS	1,356
	TOTAL	24,835

10. MISSION OR MAJOR FUNCTIONS:

The current mission of Fort Huachuca is to provide, in accordance with AR 10 7 or as directed by Commander, U.S. Army Information Systems Command, logistics and administrative support to tenant organizations including Army Major Field Command, (USAISC), Army Major Class II Activity (USAEPC), TRADOC Activity, area FORSCOM Activities, and approximately 20 major tenant elements.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: FORT HUACHUCA Arizona

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

The installation provides various administrative, legal, supply, community services, support, etc., to all personnel stationed at the installation. Installation missions include, but are not limited to, world wide Army Communications, Electronics Test and Evaluation, advanced training at a TRADOC school, home of 11th Signal Brigade, US Army Information Systems Engineering Support Command (USAISESC), Communications Electronic Installation Battalion (CEI BN), Joint Tactical Command, Control and Communications Agency (JTC3A) (DOD), and Raymond W. Bliss Army Hospital.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	999,999

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Huachuca, Arizona	4. PROJECT TITLE Electronic Test And Evaluation Center

5. PROGRAM ELEMENT 72896A	6. CATEGORY CODE 317	7. PROJECT NUMBER 159	8. PROJECT COST ($000) Auth 3,400 Approp 3,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,243
Communications/Electronics Bldg	SF	30,000	74.73	(2,242)
IDS (Installation Cost Only)	LS	-	-	(1)
Supporting Facilities				831
Electric Service	LS	-	-	(165)
Water, Sewer & Gas	LS	-	-	(29)
Paving, Walks, Curbs & Gutters	LS	-	-	(213)
Storm Drainage	LS	-	-	(102)
Site Improvement	LS	-	-	(97)
Communication	LS	-	-	(188)
Fencing	LS	-	-	(37)
Subtotal				3,074
Contingency (5.00%)				154
Total Contract Cost				3,228
Supervision, Inspection & Overhead (5.50%)				178
Total Request				3,406
Total Request (Rounded)				3,400
Installed Equipment - Other Appropriations				(5)

10. Description of Proposed Construction Construct an electronic test and evaluation center to include all required utilities, special electrical ground, paving, fire protection system, security fencing, vaults and installation of intrusion detection system, communications and site preparation/improvement. Heating to be provided by self-contained units. Accessibility for the handicapped will be provided. Air conditioning with temperature and humidity control: 100 tons.

11. REQUIREMENT: 30,000 SF ADEQUATE: None SUBSTANDARD: 27,316 SF

PROJECT: Construct a communications-electronics test and evaluation facility.

REQUIREMENT: This project is required to provide adequate facilities for an expanding workload relating to the test and evaluation of complex communications, command and control; electronics and intelligence systems and crypto devices.

CURRENT SITUATION: The U.S. Army Electronic Proving Ground (USAEPG) has the mission to plan, conduct, analyze and support the results of development and developmental-type tests in accordance with integrated testing cycle policies for the following types of material: communications-electronics, command and control support systems, optical/electro-optical, signal

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Huachuca, Arizona		
4.PROJECT TITLE Electronic Test And Evaluation Center		5.PROJECT NUMBER 159

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)

intelligence, locating and direction finding, jamming and other materiel as directed. These activities are currently located in widely scattered buildings which lack sufficient space for new mission functions and installation of new instrumentation. The programmed workload for USAEPG is increasing as highly sophisticated and complex communications-electronics systems are scheduled for testing. This will result in an overcrowded workspace and severely degrade efficiency and effectiveness. No other facilities exist to satisfy these mission requirements.

IMPACT IF NOT PROVIDED: If this project is not provided, USAEPG will be forced to relocate some activities, resulting in further decentralization, testing delays and waivers, with subsequent fielding of inadequately tested systems. The resulting time extensions, program slippages and high risk exclusions from text requirements will adversely affect mission accomplishment.

ADDITIONAL: An Economic Analysis comparing the status quo with the proposed project indicates the cost effectiveness of this project. The result shows a Savings to Investment Ratio of 1.37.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started	MAR 83
(b) Percent Complete As Of January 1986	100
(c) Percent Complete As Of October 1986	100
(d) Date Design Complete	OCT 85

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications	206
(b) All Other Design Costs	128
(c) Total Cost	334
(d) Contract	254
(e) In-house	80

(4) Construction Start .... APR 87
month & year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Huachuca, Arizona		
4.PROJECT TITLE Electronic Test And Evaluation Center		5.PROJECT NUMBER 159

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Intrus Det Sys	OPA	1986	5
		TOTAL	5

DD FORM 1 DEC 76 DD1391C PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Huachuca, Arizona	4.PROJECT TITLE Communication Test Facility

5.PROGRAM ELEMENT 35896A	6.CATEGORY CODE 317	7.PROJECT NUMBER 172	8.PROJECT COST ($000) Auth 5,600 Approp 5,600

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,004
Building	SF	39,360	101.73	(4,004)
Supporting Facilities				1,058
Electric Service	LS	-	-	(87)
Water, Sewer & Gas	LS	-	-	(29)
Paving, Walks, Curbs & Gutters	LS	-	-	(89)
Storm Drainage	LS	-	-	(4)
Site Improvement (44) Demolition (106)	LS	-	-	(150)
Communication	LS	-	-	(699)
Subtotal				5,062
Contingency (5.00%)				253
Total Contract Cost				5,315
Supervision, Inspection & Overhead (5.50%)				292
Total Request				5,607
Total Request (Rounded)				5,600
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a communications test facility to include all required utilities, seismic analysis, paving, storm drainage, fire protection system, communications and site improvements. Heating to be provided by a self-contained gas-fired heating plant. Demolish 12 buildings (34,744 SF). Air conditioning: 120 tons.

11. REQUIREMENT: 95,438 SF ADEQUATE: 34,438 SF SUBSTANDARD: None

PROJECT: Construct a communications measurement, engineering and test facility.

REQUIREMENT: This project is required to provide the US Army Electronics Systems Engineering Installation Activity (USAESEIA) with a suitable centralized building for engineer and professional employees and technicians, adequate security for high-dollar-cost and sensitive equipment and allow consolidation of agency elements.

CURRENT SITUATION: The USAESEIA engineers install, test and perform quality assurance functions for new and modified communications-electronics systems, facilities and equipment world-wide, as well as being the principal Army provider of electromagnetic compatibility and radio propagation technical services to other Federal agencies and foreign governments. One major element (Electromagnetics Engineering Office) and five (5) Division/Branches of three

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Huachuca, Arizona		
4.PROJECT TITLE Communication Test Facility		5.PROJECT NUMBER 172

11. REQUIREMENT: (Continued)

CURRENT SITUATION: (Continued)
other Directorates now occupy twelve (12) scattered World War II temporary-type buildings located over three (3) miles from the Agency software support center headquarters. These deteriorated buildings have inadequate functional layout and space for automatic data processing (ADP) equipment, poor acoustics, and substandard environmental controls necessary to ensure full use of electronic equipment. The dispersion and structural character of these temporary-type buildings has made adequate security for equipment and classified documents nearly unattainable. No other facilities exist at this installation to satisfy this requirement. The existing buildings will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: If this project is not provided, equipment and storage items will continue to deteriorate and be subject to theft if they remain in insecure structures with inadequate environmental controls. Productivity will remain low due to decentralization of activities. The decline in retention and recruitment rates of qualified personnel due to substandard working conditions will jeopardize timely integration or upgrade of communications-electronics systems and adversely affect mission accomplishment of the USAESEIA.

ADDITIONAL: The results of an economic analysis show that construction of a new facility is the preferred alternative to the status quo or leasing of an off-post facility.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started ....APR 84
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete ....NOV 86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 331
(b) All Other Design Costs 15
(c) Total Cost 346
(d) Contract 000000
(e) In-house 346

(4) Construction Start .... APR 87
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Huachuca, Arizona		
4.PROJECT TITLE Communication Test Facility		5.PROJECT NUMBER 172

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Huachuca, Arizona	4. PROJECT TITLE General Instruction Building

5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 171	7. PROJECT NUMBER 200	8. PROJECT COST ($000) Auth 8,200 Approp 8,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,024
General Instruction Building	SF	65,136	92.48	(6,024)
Supporting Facilities				1,420
Electric Service	LS	-	-	(330)
Water, Sewer & Gas	LS	-	-	(69)
Paving, Walks, Curbs & Gutters	LS	-	-	(696)
Storm Drainage	LS	-	-	(10)
Site Improvement	LS	-	-	(298)
Communication	LS	-	-	(17)
Subtotal				7,444
Contingency (5.00%)				372
Total Contract Cost				7,816
Supervision, Inspection & Overhead (5.50%)				430
Total Request				8,246
Total Request (Rounded)				8,200
Installed Equipment - Other Appropriations				(0)

10 Description of Proposed Construction Construction of an Academic Training Facility, All Source Analysis Training Center (ASATC), with all required utilities, communications, fire protection, insulation, roads, curbs, gutters, sidewalks, parking, fencing, storm drainage, site improvements, and all security equipment and safeguards for a Sensitive Compartmented Intelligence Facility (SCIF). Building will have self-contained central heating and cooling. Accessibility for the handicapped will be provided. Air conditioning: 200 tons.

11. REQUIREMENT: 425,621 SF ADEQUATE: 117,247 SF SUBSTANDARD: None

PROJECT: Construct a general instruction building (SCIF).

REQUIREMENT: This project is required to provide a permanent General Instruction Building to accommodate the academic requirements for a consolidated Joint Army and Air Force program that will provide automated assistance to the G2, G3, at Division, Corps, and Air Force. The facility consists of 22 classrooms, five (5) maintenance laboratories, computer and vault areas, seven (7) equipment module mockups, learning center, administrative requirements, and other supporting operational areas. The facility and special equipment will be shielded for electromagnetic radiation to meet the standards of Defense Intelligence Agency Manuals 50-3 and 50-4.

1.COMPONENT ARMY	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	**2.DATE** 14 FEB 86
3.INSTALLATION AND LOCATION Fort Huachuca, Arizona		
4.PROJECT TITLE General Instruction Building		**5.PROJECT NUMBER** 200

Facility will accommodate approximately 2,990 students per year, and 50 instructors and administrative personnel.

CURRENT SITUATION: There are no facilities at this installation which are **available or that can be modified to accommodate this mission requirement. Present training continues to be inadequate, and training on elements of All-Source-Analysis equipment to be fielded will be conducted by expensive contractor training in the unit and at contractor facilities.**

IMPACT IF NOT PROVIDED: If this project is not provided, All-Source-Analysis training will not be conducted by USAICS. Instead, expensive training at a contractor's facility will have to be used with extensive on-the-job training occurring in the field. This will result in severely degraded readiness within fielded units.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... MAY 85
(b) Percent Complete As Of January 1986 35
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... MAY 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 504
(b) All Other Design Costs 112
(c) Total Cost 616
(d) Contract 1
(e) In-house 615

(4) Construction Start .... APR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Location 177 Korea	4. COMMAND US ARMY INTELLIGENCE AND SECURITY COMMAND O	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE.......... 0 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85..........	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..........	1,950
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........	6,443
F. PLANNED IN NEXT THREE YEARS..........	9,695
G. REMAINING DEFICIENCY..........	0
H. GRAND TOTAL..........	18,088

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
811	34	POWER UPGRADE LOC 177	1,950	02/84	01/86
		SUBTOTAL PROJECTS OVER $1M	1,950		
		TOTAL	1,950		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
724	BOQ ADD LOC 177	1,943
141	EACIC FACILITY	4,500
	SUBTOTAL PROJECTS OVER $1M	6,443
	TOTAL	6,443
B. PLANNED NEXT THREE PROGRAM YEARS :		
149	TACTICAL HARDENING LOC 177	5,000
852	PARKING GARAGE	2,000
740	PHYS FIT CTR LOC 177	1,045
	SUBTOTAL PROJECTS OVER $1M	8,045
	TOTAL	8,045

10. MISSION OR MAJOR FUNCTIONS:

Location 177 is a field office of the US Army Intelligence and Security Command engaged in intelligence activities

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Location 177 Korea

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Location 177, Korea		4.PROJECT TITLE Power Upgrade	
5.PROGRAM ELEMENT 31011A	6.CATEGORY CODE 811	7.PROJECT NUMBER 34	8.PROJECT COST ($000) Auth 1,950 Approp 1,950

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,243
Power Plant Building	SF	4,591	122.52	(562)
Emergency Generator w/Switchgear	LS	-	-	(660)
Monitor Panel and Accessories	LS	-	-	()
Equipment Installation	LS	-	-	(18)
Relocate Equipment	LS	-	-	(3)
Supporting Facilities				533
Electric Service	LS	-	-	(214)
Water, Sewer & Gas	LS	-	-	(60)
Paving, Walks, Curbs & Gutters	LS	-	-	(14)
Storm Drainage	LS	-	-	(8)
Site Improvement	LS	-	-	(95)
Fuel Oil Storage	LS	-	-	(142)
Subtotal				1,776
Contingency (5.00%)				89
Total Contract Cost				1,865
Supervision, Inspection & Overhead (5.50%)				103
Total Request				1,968
Total Request (Rounded)				1,950
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct an auxiliary power plant with high-voltage substation, commercial power connections, uninterruptable power supplies, fire protection, drainage, access drive and other site improvements. Construct underground power connections to all loads within the operations area. Provide specialized ventilation to distribute exhaust heat throughout plant in winter. Air conditioning: 10 tons.

11. REQUIREMENT: 1,500 KW ADEQUATE: 600 KW SUBSTANDARD: None

PROJECT: Construct an auxiliary power plant.

REQUIREMENT: This project is required to increase the capacity of the power plant to meet growing mission power requirements and prevent interference with the intelligence mission by commercial power outages.

CURRENT SITUATION: The present power plant consists of three generators of 200 KW each that are fully loaded. The plant cannot be enlarged because of architectural and site limitations. New electronic and communications equipment requires additional power. Furthermore, the existing location, inside the secure area, leads to manning and maintenance problems, since each Korean operator must be escorted to the plant and confined there for the duration of the shift.

IMPACT IF NOT PROVIDED: If this project is not provided, the lack of an

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Location 177, Korea

4. PROJECT TITLE Power Upgrade	5. PROJECT NUMBER 34

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

auxiliary power plant will degrade the station's performance by preventing expansion and subjecting various post activities to interruptions in commercial power. Both results will continue to degrade the intelligence mission of this post.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
- (a) Date Design Started .... FEB 84
- (b) Percent Complete As Of January 1986 35
- (c) Percent Complete As Of October 1986 100
- (d) Date Design Complete .... AUG 86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used ___________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
- (a) Production of Plans and Specifications 45
- (b) All Other Design Costs 51
- (c) Total Cost 96
- (d) Contract 52
- (e) In-house 44

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Location 276 Turkey	4. COMMAND US Army Intelligence and Security Command	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC	
B. INVENTORY TOTAL AS OF 30 SEP 85		0
C. AUTHORIZATION NOT YET IN INVENTORY		0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,700
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		1,830
F. PLANNED IN NEXT THREE YEARS		7,265
G. REMAINING DEFICIENCY		0
H. GRAND TOTAL		12,795

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
721	152	BARRACKS MOD LOC 276	3,700	07/85	08/86
		SUBTOTAL PROJECTS OVER $1M	3,700		
		TOTAL	3,700		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
740	RECREATION CENTER LOC 276	1,830
	SUBTOTAL PROJECTS OVER $1M	1,830
	TOTAL	1,830
B. PLANNED NEXT THREE PROGRAM YEARS		
442	WAREHOUSE LOC 276	1,750
136	AIRFIELD UPGRADE LOC 276	1,115
	SUBTOTAL PROJECTS OVER $1M	2,865
821	MOD CNTL HEAT PLT LOC 276	1,000
721	BARRACKS LOC 276	1,000
	SUBTOTAL PROJECTS $1M & LESS	2,000
	TOTAL	4,865

10. MISSION OR MAJOR FUNCTIONS:

DD FORM 1 DEC 76 DD1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Location 276 Turkey

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1390C

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Location 276, Turkey		4. PROJECT TITLE Barracks Modernization	
5. PROGRAM ELEMENT 22396A	6. CATEGORY CODE 721	7. PROJECT NUMBER 152	8. PROJECT COST ($000) Auth 3,700 Approp 3,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				3,096
Barracks Modernization	SF	119,200	25.97	(3,096)
Supporting Facilities				112
Electric Service	LS	-	-	(10)
Paving, Walks, Curbs & Gutters	LS	-	-	(42)
Site Improvement	LS	-	-	(60)
Subtotal				3,208
Contingency (10.00%)				321
Total Contract Cost				3,529
Supervision, Inspection & Overhead (5.50%)				194
Total Request				3,723
Total Request (Rounded)				3,700
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Modernize nine (9) barracks, with a reconfiguration of the interior layout of five (5) barracks. Electric, hot and cold water, heating and sewer lines will be re-arranged for the remodeling. All barracks will have complete replacement of plumbing fixtures. Interior decoration for all buildings will include carpet laying, painting, new built-in shower kits, cabinets and vanities, new lockers and master lock systems and automatic temperature control.

11. REQUIREMENT: 744 PN ADEQUATE: None SUBSTANDARD: 744 PN

PROJECT: Renovation of nine (9) barracks buildings including interior reconfiguration of five of them.

REQUIREMENT: This project is required to provide adequate housing for 194 E1-E4, 183 E5-E7, 46 E7-E9 (intended utilization), with a maximum utilization of 744.

CURRENT SITUATION: Bachelor housing at this installation is substandard. Quality of life is adversely affected and frequent complaints are common reflecting the adverse impact on morale and on efficiency in mission performance.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing situation will continue to adversely affect troop morale, welfare and quality

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Location 276, Turkey		
4.PROJECT TITLE Barracks Modernization		5.PROJECT NUMBER 152

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

of life, and will result in ever increasing maintenance and repair costs.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....JUL 85

(b) Percent Complete As Of January 1986 35

(c) Percent Complete As Of October 1986 100

(d) Date Design Complete ....AUG 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X

(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a)	Production of Plans and Specifications	150
(b)	All Other Design Costs	80
(c)	Total Cost	230
(d)	Contract	200
(e)	In-house	30

(4) Construction Start .... FEB 87 month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Location 280 Germany	4. COMMAND US Army Intelligence and Security Command	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	2,100
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
F. PLANNED IN NEXT THREE YEARS	17,940
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	20,040

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
826		6 AC CONDENSOR UNITS	2,100	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	2,100		
		TOTAL	2,100		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) : NONE		
B. PLANNED NEXT THREE PROGRAM YEARS :		
141	OPNS BLDG ADDITION	8,500
932	TACTICAL HDENING	8,000
442	REHAB BUILDING 1458	1,440
	SUBTOTAL PROJECTS OVER $1M	17,940
	TOTAL	17,940

10. MISSION OR MAJOR FUNCTIONS:

Location 280 is a field office of the U.S. Army Intelligence and Security Command engaged in intelligence activities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Location 280 Germany

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (.CONTINUE)

	($000)
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD 1 FORM DEC 76 DD1390C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Location 280, Germany	4.PROJECT TITLE Air Conditioning Upgrade

5.PROGRAM ELEMENT 31011A	6.CATEGORY CODE 826	7.PROJECT NUMBER 6	8.PROJECT COST ($000) Auth 2,100 Approp 2,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,727
Modernize Air Cond. (5 Bldgs)	LS	-	-	(1,727)
Supporting Facilities				67
Security Fence/Lighting	LS	-	-	(67)
Subtotal				1,794
Contingency (10.00%)				179
Total Contract Cost				1,973
Supervision, Inspection & Overhead (5.50%)				109
Total Request				2,082
Total Request (Rounded)				2,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Install two 500-ton centrifugal air conditioning units, each having its own cooling tower, condenser water and chilled fluid pumps. Air-cooled fluid coolers will be included for free winter cooling. Equipment will be variable speed, and controlled by a central microprocessor computer. Insulate chilled water piping in the chiller plant and replace all other chilled water piping with PVC pipe. Remove all old air conditioning equipment and components. Relocate and reduce the size of the boiler plant located in the building currently shared with the chiller plant. Structural modifications to this permanent building may be necessary. Site improvements including a double security fence will be included.

11. REQUIREMENT: 1,000 TN ADEQUATE: 306 TN SUBSTANDARD: 530 TN

PROJECT: Upgrade the air conditioning system in five buildings.

REQUIREMENT: This project is required to provide adequate air conditioning for the computers and other electronic equipment in the intelligence gathering facilities at Berlin's Teufelsberg installation.

CURRENT SITUATION: Intelligence gathering and analysis is conducted in five buildings at Teufelsberg. The existing air conditioning system is inadequate to meet the demands of the computers and other electronic equipment used in modern intelligence gathering activities. The existing system is also

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Location 280, Germany		
4.PROJECT TITLE Air Conditioning Upgrade		5.PROJECT NUMBER 6

inefficient and is restricting the efforts of the installation to reduce its energy consumption.

IMPACT IF NOT PROVIDED: If this project is not provided, intelligence gathering efforts will be degraded, and incoming mission-critical computer systems will not be used effectively. Additionally, the installation's goal of improving the efficiency of its utility systems while reducing energy consumption will not be achieved.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....MAR 84
(b) Percent Complete As Of January 1987 35
(c) Percent Complete As Of October 1987 100
(d) Date Design Complete ....MAY 86

(2) Basis:

(a) Standard or Definitive Design Yes ___ No X
(b) Where Design Was Most Recently Used M/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 110
(b) All Other Design Costs 20
(c) Total Cost 130
(d) Contract 110
(e) In-house 20

(4) Construction Start .... FEB 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Japan Various Japan	4. COMMAND US Army Japan	5. AREA CONSTRUCTION COST INDEX 1.28

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,200
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	112,752
F. PLANNED IN NEXT THREE YEARS	68,680
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	182,632

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	COMPLETE
442	170	MEDICAL SUPPLY WHSE ALT	1,200	04/83	08/85
		SUBTOTAL PROJECTS OVER $1M	1,200		
		TOTAL	1,200		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88)		
610	RELOCATE FIELD OFFICES	2,300
851	ROADS AKIZUKI	1,380
851	MODERNIZE ROADS KAWAKAMI	2,272
421	AMMUNITION STORAGE	8,300
442	Warehouse Kawakami	3,500
421	AMMO STORAGE FACS KAWAKAMI	95,000
	SUBTOTAL PROJECTS OVER $1M	112,752
	TOTAL	112,752

10. MISSION OR MAJOR FUNCTIONS:

Maintain bases in Japan to provide supply, maintenance, storage, procurement, transportation, engineering, medical and other essential services to support USARJ operational plans with a capability for expansion when needed.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Japan Various Japan

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Japan Various, Japan	4. PROJECT TITLE Medical Supply Warehouse

5. PROGRAM ELEMENT 22496A	6. CATEGORY CODE 442	7. PROJECT NUMBER 170	8. PROJECT COST ($000) Auth 1,200 Approp 1,200

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				959
Warehouse Alterations	SF	18,930	50.66	(959)
Supporting Facilities				85
Electric Service	LS	-	-	(9)
Water, Sewer & Gas	LS	-	-	(3)
Steam, Chilled Water & Heat Distribution	LS	-	-	(73)
Subtotal				1,044
Contingency (10.00%)				104
Total Contract Cost				1,148
Supervision, Inspection & Overhead (5.50%)				63
Total Request				1,211
Total Request (Rounded)				1,200
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Alteration of a warehouse interior to provide for two security cages, a Class B vault, a maintenance and inspection/storage system. The work includes fire protection and alarm/detection system, insulation and required electric, water and steam distribution lines. Heating from existing heat plant. Air conditioning with self-contained system: 45 tons.

11. REQUIREMENT: 18,930 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Alter warehouse building for storage of medical supplies.

REQUIREMENT: This project is needed to consolidate storage and maintenance/inspection areas for medical equipment from four dispersed buildings at Sagami General Depot and Camp Zama.

CURRENT SITUATION: Contingency stocks are now stored in two buildings at Sagami General Depot and in one building at Camp Zama. Maintenance and inspection of heavy medical equipment are accomplished at still another location at Sagami General Depot. Existing storage facilities lack sufficient space for increased storage requirements for medical equipment and special storage-required supplies and do not meet physical security requirements. Use of scattered facilities is inefficient and makes poor use of personnel. No other facilities exist at this installation to satisfy these mission

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Japan Various, Japan		
4.PROJECT TITLE Medical Supply Warehouse		5.PROJECT NUMBER 170

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
requirements.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing storage and maintenance facilities will continue to be used at the expense of productivity. The capability to provide medical equipment to supported units will be severely degraded when the need arises, thereby impeding the medical support mission at Sagami General Depot.

12. SUPPLEMENTAL DATA:
A. Estimated Design Data:
(1) Status:
(a) Date Design Started .... APR 83
(b) Percent Complete As Of January 1986 100
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUN 85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications 55
(b) All Other Design Costs 44
(c) Total Cost 99
(d) Contract 62
(e) In-house 37

(4) Construction Start .... MAR 87
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Myer Virginia	4. COMMAND US ARMY MILITARY DISTRICT OF WASHINGTON	5. AREA CONSTRUCTION COST INDEX 1.03

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	168	4339	1634	0	0	0	52	32	0	6,225
B. END FY 91	173	4479	1656	0	0	0	52	32	0	6,392

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	256 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	45,305
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	3,800
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	11,157
F. PLANNED IN NEXT THREE YEARS	5,600
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	65,862

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
740	94	PHYSICAL FITNESS CENTER	3,800	09/84	07/86
		SUBTOTAL PROJECTS OVER $1M	3,800		
		TOTAL	3,800		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
171	MDW CEREMONIAL TRNG FAC	2,193
610	ADMINISTRATION FACILITY	8,300
	SUBTOTAL PROJECTS OVER $1M	10,493
452	BULK STORAGE FACILITY	664
	SUBTOTAL PROJECTS $1M & LESS	664
	TOTAL	11,157
B. PLANNED NEXT THREE PROGRAM YEARS :		
720	BARRACKS VOQ&VEQ	5,600
	SUBTOTAL PROJECTS OVER $1M	5,600
	TOTAL	5,600

10. MISSION OR MAJOR FUNCTIONS:

The mission of Fort Myer is to serve as the Troop/Ceremonial post within Military District of Washington (MDW) by providing troop housing and administration support to military personnel. The post houses the Chairman of the Joint Chiefs of Staff, the Chief of Staff of the Army, Chief of Staff of the Air Force and General Officers of the Army General Staff and the enlisted work

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Fort Myer Virginia

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUE)

force of the Department of Defense, Department of the Army and MDW

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

A. AIR POLLUTION	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0
	2,000

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Myer, Virginia	4. PROJECT TITLE Physical Fitness Training Center

5. PROGRAM ELEMENT 91296A	6. CATEGORY CODE 740	7. PROJECT NUMBER 94	8. PROJECT COST ($000) Auth 3,800 Approp 3,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,998
Physical Fitness Center	SF	36,500	82.14	(2,998)
Supporting Facilities				454
Steam, Chilled Water & Heat Distribution	LS	-	-	(187)
Site Improvement (48) Demolition (116)	LS	-	-	(164)
Communication	LS	-	-	(103)
Subtotal				3,452
Contingency (5.00%)				173
Total Contract Cost				3,625
Supervision, Inspection & Overhead (5.50%)				199
Total Request				3,824
Total Request (Rounded)				3,800
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of a physical fitness center. The facility will be complete with a gymnasium, three exercise/training rooms, locker/shower rooms, first aid station, and all apparatus. Central air conditioning (55 tons) for the administration and interior court areas, mechanical ventilation (100,000 CFM), and fire protection systems will be included. Heating will be provided from the existing central boiler plant. Accessibility for the handicapped will be provided. Demolish the foundation and retaining wall of one building (33,820 SF).

11. REQUIREMENT: 36,500 SF ADEQUATE: None SUBSTANDARD: None

PROJECT: Construction of a physical fitness center.

REQUIREMENT: The project is required to provide an adequate athletic facility to support the physical readiness of soldiers assigned and attached to the Military District of Washington, Henderson Hall and the Navy Annex. Two buildings, to be jointly used, are required because there are two distinct population centers to be served. This is the Army portion of a joint project with the Marine Corps which is requesting a 21,000 SF gymnasium located to serve Navy Annex and Henderson Hall military personnel. Design of this physical fitness center and the gymnasium at Henderson Hall has been coordinated to eliminate redundant features. This allows the facilities to be

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Fort Myer, Virginia

4. PROJECT TITLE Physical Fitness Training Center	5. PROJECT NUMBER 94

reduced in size by a total of more than 25,000 SF, providing a savings of over $2.4 million.

CURRENT SITUATION: Building 241, constructed in 1934 as an equestrian riding hall, is known officially as the Ceremonial Hall and is primarily used for ceremonies, special events, inclement weather drill practices and training for the 3rd U.S. Infantry Honor Guard soldiers. The Hall must be available on short notice for State Department, Department of Defense and Department of the Army ceremonies relocated from the Pentagon or other places due to inclement weather. It is closed completely for 2-1/2 months for the Spirit of America rehearsals, and the various other rehearsals and ceremonies make it unuseable as a gym for an additional 2 to 2-1/2 months. However, this is the only facility large enough for one portable basketball floor that must serve 26 intramural teams, and provides a small inadequate weight room. The basketball floor must be removed or covered for each ceremony or rehearsal held. When covered, a hazardous 4-inch step must be traversed by soldiers and visiting dignitaries. Individual training and team athletic competition are very limited due to the inadequate physical fitness facility.

IMPACT IF NOT PROVIDED: If this project is not provided, the military personnel at Fort Myer will continue to be deprived of adequate facilities for year-round physical fitness activities. The adverse effect on the physical and mental readiness of the troops will increase as projected additional ceremonies reduce the availability of Building 241 for physical fitness use.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started .... SEP 84
(b) Percent Complete As Of January 1986 75
(c) Percent Complete As Of October 1986 100
(d) Date Design Complete .... JUL 86

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used ____________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications 205
(b) All Other Design Costs 267
(c) Total Cost 472
(d) Contract 233
(e) In-house 239

(4) Construction Start .... DEC 86
month & year

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Myer, Virginia		
4.PROJECT TITLE Physical Fitness Training Center		5.PROJECT NUMBER 94

12. SUPPLEMENTAL DATA: (Continued)

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
POLLUTION ABATEMENT

STATE	INSTALLATION PN	 PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
POLLUTION ABATEMENT					
Colorado	Fort Carson				169
	405	Vehicle Washrack	7,800	7,800	699
Germany	Germany Various				403
	Baumholder				
	1169	Sewer/POL Separator	2,050	2,050	700
	*TOTAL POLLUTION ABATEMENT		$ 9,850	9,850	

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Army Installations, Various Locations	4.PROJECT TITLE Pollution Abatement

5.PROGRAM ELEMENT Various	6.CATEGORY CODE Various	7.PROJECT NUMBER See DD Form 1391C	8.PROJECT COST ($000) Auth Approp 9,850

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Pollution Abatement Facilities				9,850
(See DD Forms 1391C for locations, descriptions and cost of individual projects)				

10.Description of Proposed Construction Construction of various pollution abatement measures to include new facilities or other measures to effect control and/or abatement of environmental deficiencies. Type and scope of work varies, but proposed corrective actions are based on least costly means of meeting control criteria. Where permitted and advantageous, connection to a public system will be used. When a capital contribution to the public authority is required, project funds will be used.

11. REQUIREMENT:

PROJECT: Construct facilities/systems for abating/controlling pollution.

REQUIREMENT: These projects are required to provide pollution abatement, prevention and control measures at various installations to place them in compliance with Federal, state and local water pollution control regulations.

CURRENT SITUATION: All installations included in this request are in violation of Federal, state and local pollution control regulations or laws.

IMPACT IF NOT PROVIDED: Installations must continue to operate in violation of pollution control regulations.

DD FORM 1 DEC 76 DD1391

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Pollution Abatement Facilities		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Colorado		
Fort Carson (PN 405)	Vehicle Washrack	7,800

This project is required to upgrade the existing vehicle wash facility for washing tracked and tracked/wheeled vehicles. The work includes renovation of the industrial treatment system to include equalization, sediment removal, and oil removal as pretreatment prior to discharge to the existing sanitary treatment plant. The central vehicle wash facility treatment system, which uses gravity flow, will recycle the wash water and will consist of primary sediment basins with oil skimmers, sand filters, and treated-water holding basins. The existing wash facility cannot meet the installation's washing requirements and violates its National Pollutant Discharge Elimination System permit. It does not comply with established criteria as to overflow retention and oil/water separation. The current treatment facility is not capable of treating the waste in the industrial line to an adequate wash or discharge quality. These deficiencies create potential health hazards in the wash water currently in use by the troops. If this project is not provided, Fort Carson will continue to violate the terms of its discharge permit and expose the troops to possibly hazardous wash water. An Economic Analysis is not necessary for this project. All potential alternatives were examined in the development of the project and none were found to be feasible.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Pollution Abatement Facilities		5.PROJECT NUMBER Various

Station		Project Title	Cost ($000)
Germany			
Baumholder		Sewer/POL Separator	
(PN 1169)	Smith Barracks		2,050

This project is required to protect water quality and a waste water treatment plant from pollution due to spills of petroleum products. Project will include interceptor sewers, retention basins, and POL separators. Three streams are being contaminated by petroleum products originating from the operations of 34 motor maintenance areas, 9 major motor pools, parking areas, and fuel and oil storage facilities. These streams are used by local communities for recreation and farming. If this project is not provided, discharges of POL will continue to pollute streams, cause problems for the local treatment facility, and lead to friction between U.S. Forces and local residents. This project is not eligible for established NATO Infrastructure Category for common funding nor is it expected to become eligible. An Economic Analysis is not necessary for this project. All potential alternatives were examined in the development of the project and none were found to be feasible.

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
MINOR CONSTRUCTION

INSTALLATION PN	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Minor Construction					
Minor Construction					703
87	Minor Construction Unspecified		20,000	20,000	705
	SUBTOTAL FOR Minor Construction	$	20,000	20,000	
	*TOTAL Minor Construction	$	20,000	20,000	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various	4. COMMAND	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85	0
C. AUTHORIZATION NOT YET IN INVENTORY	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,000
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	31,275
F. PLANNED IN NEXT THREE YEARS	59,901
G. REMAINING DEFICIENCY	0
H. GRAND TOTAL	111,176

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
BBB	87	UNSPECIFIED MINOR CONST	20,000	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	20,000		
		TOTAL	20,000		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88):		
BBB	UNSPECIFIED MINOR CONST	31,275
	SUBTOTAL PROJECTS OVER $1M	31,275
	TOTAL	31,275
B. PLANNED NEXT THREE PROGRAM YEARS:		
BBB	UNSPECIFIED MINOR CONST	30,000
BBB	UNSPECIFIED MINOR CONST	29,901
	SUBTOTAL PROJECTS OVER $1M	59,901
	TOTAL	59,901

10. MISSION OR MAJOR FUNCTIONS:

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Minor Construction Worldwide Various

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
C. OCCUPATIONAL SAFETY AND HEALTH	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Minor Construction, Worldwide Various	4.PROJECT TITLE Minor Construction Unspecified

5.PROGRAM ELEMENT 91211A	6.CATEGORY CODE 000	7.PROJECT NUMBER 87	8.PROJECT COST ($000) Auth 20,000 Approp 20,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				20,000
Minor Construction Facilities	LS	-	-	(20,000)
Supporting Facilities				0
Subtotal				20,000
Contingency (.00%)				
Total Contract Cost				20,000
Supervision, Inspection & Overhead (.00%)				
Total Request				20,000
Total Request (Rounded)				20,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Unspecified minor construction projects which have a funded cost of $1,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 U.S.C. 2805.

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD: None

REQUIREMENT: This is needed to provide for exigent projects for which the need cannot reasonably be foreseen nor justified in time to be included in this Military Construction, Army program.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Date Design Started ....______

(b) Percent Complete As Of January 1986 ....______

(c) Percent Complete As Of October 1986 ....______

(d) Date Design Complete ....______

(2) Basis:

(a) Standard or Definitive Design - Yes ___ No ___

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Minor Construction, Worldwide Various		
4. PROJECT TITLE Minor Construction Unspecified		5. PROJECT NUMBER 87

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(2) Basis: (Continued)

(b) Where Design Was Most Recently Used ____________________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)

(a) Production of Plans and Specifications .... _______

(b) All Other Design Costs .... _______

(c) Total Cost .... _______

(d) Contract .... _______

(e) In-house .... _______

(4) Construction Start .... ___________
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
PLANNING AND DESIGN

INSTALLATION PN #	PROJECT TITLE		AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Planning and Design					
Planning and Design					709
87	Planning and Design		131,640	131,640	711
	SUBTOTAL FOR Planning and Design	$	131,640	131,640	
	*TOTAL Planning and Design	$	131,640	131,640	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various	4. COMMAND	5. AREA CONSTRUCTION COST INDEX .00

6. PERSONNEL STRENGTH:

	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 85	0	0	0	0	0	0	0	0	0	0
B. END FY 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

A. TOTAL ACREAGE..........	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 85..........	0
C. AUTHORIZATION NOT YET IN INVENTORY..........	0
D. AUTHORIZATION REQUESTED IN THIS PROGRAM..........	131,640
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..........	152,000
F. PLANNED IN NEXT THREE YEARS..........	469,000
G. REMAINING DEFICIENCY..........	0
H. GRAND TOTAL..........	752,640

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
000	87	PLANNING AND DESIGN	131,640	00/00	00/00
		SUBTOTAL PROJECTS OVER $1M	131,640		
		TOTAL	131,640		

9. FUTURE PROJECTS:

CATEGORY CODE	PROJECT TITLE	COST ($000)
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 88) :		
000	PLANNING AND DESIGN	152,000
	SUBTOTAL PROJECTS OVER $1M	152,000
	TOTAL	152,000
B. PLANNED NEXT THREE PROGRAM YEARS :		
000	PLANNING AND DESIGN	160,000
000	PLANNING AND DESIGN	157,000
000	PLANNING AND DESIGN	152,000
	SUBTOTAL PROJECTS OVER $1M	469,000
	TOTAL	469,000

10. MISSION OR MAJOR FUNCTIONS:

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	($000)
A. AIR POLLUTION	0

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

INSTALLATION AND LOCATION: Planning and Design Worldwide Various

II. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUE)

	($000)
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1.COMPONENT ARMY	FY 19~~87~~ MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Planning and Design, Worldwide Various	4.PROJECT TITLE Planning and Design

5.PROGRAM ELEMENT 91211A	6.CATEGORY CODE 000	7.PROJECT NUMBER 87	8.PROJECT COST ($000) Auth 131,640 Approp 131,640

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				131,640
Planned use of funds follows:				
Construction Management OCONUS	LS	-	-	(14,428)
Develop Standards and Criteria	LS	-	-	(6,296)
Minor Unspecified	LS	-	-	(2,000)
Design Future Year Projects	LS	-	-	(108,916)
Supporting Facilities				0
Subtotal				131,640
Contingency (.00%)				
Total Contract Cost				131,640
Supervision, Inspection & Overhead (.00%)				
Total Request				131,640
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Item provides for advance and final design of construction, for technical evaluation studies and for development of standards and criteria for Army facilities. This item also provides for construction management services for projects funded by foreign nations where U.S. Forces are the sole or primary user.

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD: None

PROJECT: Planning and Design funds.

REQUIREMENT: Funds requested are required for advance and final design of regular MCA and minor construction projects, for technical evaluation studies, for continuation of development of standard plans, and to represent U.S. interests during the planning, design and construction of projects funded by foreign governments when U.S. Forces are sole or primary users. These funds are required for final design of projects in the FY 1987 program and for advance design of projects in FY 1988 and future programs. Development of standards and criteria is the preparation of standard design for repetitive type facilities, manuals and guide specifications for use in the design of nonrepetitive as well as repetitive type facilities. The use of these standards has resulted in considerable savings. NATO projects for which the Army is the user and the host nation funded program in Japan and Korea

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Planning and Design, Worldwide Various		
4. PROJECT TITLE Planning and Design		5. PROJECT NUMBER 87

11. REQUIREMENT: (Continued)
REQUIREMENT: (Continued)
supporting all services is growing larger.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:
(a) Date Design Started .... ______
(b) Percent Complete As Of January 1986 .... ______
(c) Percent Complete As Of October 1986 .... ______
(d) Date Design Complete .... ______

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No ___
(b) Where Design Was Most Recently Used ______________

(3) Total Cost (c) = (a)+(b) or (d)+(e): ($000)
(a) Production of Plans and Specifications .... ______
(b) All Other Design Costs .... ______
(c) Total Cost .... ______
(d) Contract .... ______
(e) In-house .... ______

(4) Construction Start .... __________
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	None		0
		TOTAL	None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
PROJECTS $1.0 MILLION AND LESS

STATE	INSTALLATION PN	PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
PROJECTS $1.0 MILLION AND LESS					
Alabama	Fort McClellan				331
	308	Child Development Center	540	540	717
Arizona	Yuma Proving Ground				95
	133	Child Development/Religious Ed Facility	820	820	717
California	Fort Irvin				209
	206	Troop Staging Area	820	820	718
Colorado	Pueblo Depot Activity				63
	59	Security Upgrade	600	600	718
Georgia	Fort Benning				291
	421	Child Development Center Addition	280	280	719
Germany	Germany Various				403
	Ansbach				
	1340	Child Development Center	930	930	723
	2152	Ammunition Storage	860	860	724
	Bad Kreuznach				
	1331	Child Development Center	900	900	722
	Bitburg				
	1335	Tactical Site Facilities	520	520	722
	Fulda				
	269	Child Development Center	1,000	1,000	719
	Giessen				
	1420	Facility Modernization Phase III	970	970	724
	Rheinberg				
	1133	Child Development Center	930	930	720
	2298	Communications Center Conversion	400	400	725
	2299	Automated Data Processing Facility	680	680	725
	Schweinfurt				
	1322	Child Development Center	900	900	721
	Stuttgart				
	1247	Sewer System Upgrade	820	820	720

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
PROJECTS $1.0 MILLION AND LESS

STATE	INSTALLATION	PN	PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
PROJECTS $1.0 MILLION AND LESS (Cont.)						
Germany	Germany Various (Cont.)					483
	Vilseck					
		1356	Relocate Ammunition Area	920	920	723
	Wuerzburg					
		1313	Child Development Center	1,000	1,000	721
Greece	Greece Various					627
	Drama Remote Site					
		19	Operations Building Modernization	730	730	726
	Katsimidhi Site					
		13	Operations Building	560	560	726
Illinois	Savanna Army Depot					75
		87	Security Upgrade	320	320	727
Italy	Italy Various					629
	Zelo					
		166	Barracks	610	610	727
Kentucky	Fort Campbell					161
		383	Fuel Pumping Station	240	240	728
	Lexington Blue Grass Depot Activity					47
		82	Security Upgrade	540	540	728
Korea	Korea Various					389
	Camp Carroll					
		1094	Tactical Equipment Shop	820	820	732
		1180	Storage Warehouse	920	920	734
	Camp Casey					
		1118	Communication/Electronics Maintenance Facs	490	490	733
	Camp Greaves					
		1062	Tactical Equipment Shop	340	340	729
	Camp Laguardia					
		1166	Airfield Fire Station	320	320	733

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
PROJECTS $1.0 MILLION AND LESS

STATE	INSTALLATION PN PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
PROJECTS $1.0 MILLION AND LESS (Cont.)				
Korea	Korea Various (Cont.)			309
	Camp Liberty Bell			
	1030 Barracks	700	700	729
	Camp Market			
	1023 Unaccompanied Officers Housing	540	540	729
	Camp Pelham			
	1115 Barracks	900	900	732
	K 16 Army Airfield			
	1089 Tactical Equipment Shop	920	920	731
	Pusan			
	1081 Fire Station	340	340	730
	Yongsan			
	1083 Tactical Equipment Shop	1,000	1,000	730
	1088 Upgrade Tactical Equipment Shop	1,000	1,000	731
	1174 Battalion Headquarters	760	760	734
	1226 Widen Road	1,000	1,000	734
Maryland	Aberdeen Proving Ground			3
	320 Condensate Return	750	750	735
	Harry Diamond Laboratories			29
	26 Computer Laboratory Addition	600	600	735
New Mexico	Fort Wingate			93
	33 Security Upgrade	350	350	736
North Carolina	Sunny Point Military Ocean Terminal			649
	55 Provost Marshal Facility	650	650	736
Panama Canal Zo	Fort Kobbe			655
	19 Aircraft Parking Apron Extension	420	420	737
Pennsylvania	Carlisle Barracks			305
	5 Tactical Equipment Shop	800	800	737

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1987
PROJECTS $1.0 MILLION AND LESS

STATE	INSTALLATION	PN	PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
PROJECTS $1.0 MILLION AND LESS (Cont.)						
Texas	Fort Sam Houston					205
		147	Water Storage Tank	800	800	738
Virginia	Fort Story					347
		53	Storage/Maintenance Facility	1,000	1,000	738
Washington	Fort Lewis					213
		313	Fire Protection System	480	480	739
		552	COMSEC Maintenance Facility	600	600	739
Wisconsin	Badger Army Ammunition Plant					15
		23	Open/Close Landfill	980	980	740
	*TOTAL PROJECTS $1.0 MILLION AND LESS			$ 34,610	34,610	

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Army Installations, Various Locations	4. PROJECT TITLE Projects Costed at $1.0 Million and less

5. PROGRAM ELEMENT Various	6. CATEGORY CODE Varies	7. PROJECT NUMBER Various	8. PROJECT COST ($000) Auth Approp Various

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects costed at $1.0 Million and less				34,610

10. Description of Proposed Construction Construction projects having a funded cost of $1,000,000 or less, including construction alteration, or conversion of permanent or temporary facilities.

11. REQUIREMENT:

PROJECT:

Included are specified projects that are described and listed on subsequent pages.

DD 1 FORM DEC 76 DD1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Alabama		
Fort McClellan (PN 308)	Child Development Center	540

This project is required to consolidate the Preschool and Child Care facilities at one location. The existing Child Care Center is too small, so that every day children are turned away. The Pre-school is located approximately two (2) miles from the Child Care Facility, so that children are bused. By combining the two activities, busing can be eliminated, services can be provided to meet the needs of the military community, and staffing can be maintained at an economical level. Project will include the addition of alarm systems, roads, walks,curbs, gutters, storm drainage, parking, and site work. If this project is not provided, the inadequate facilities will persist, and the needs of the community will not be met. In addition, the Preschool program for 105 children will be cancelled.

Station	Project Title	Cost ($000)
Arizona		
Yuma Proving Ground (PN 133)	Child Development/Religious Ed Facility	820

Construct a child development/religious education center to include fire prevention system, utilities, sidewalks, parking, fencing, storm drainage, and other required site work. Heating and air conditioning by self-contained systems. Provisions will be made for the physically handicapped. This project will centralize child care and religious education functions into a single facility, providing more efficient utilization of space and improving the quality of military life. If this project is not provided, child development activities will continue to be restricted with waivers required for operation of existing facilities.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
California		
Fort Irwin (PN 206)	Troop Staging Area	820

This project is required to provide a 10,000 SF one-story troop staging facility with a troop holding area, baggage holding area, offices for Movement Control Center staff, latrines, and vending machine area. Project will include parking, utilities services, a fire-detection alarm and protection system and heating and air-conditioning by self-contained systems. Air conditioning: 5 tons. Since there is no staging facility on base at present, troops are now staged on open ground and in a large, dusty field. Paperwork is blown around and damaged by rain, there are no telephones, and lighting is provided by vehicle headlights. As the base reaches its 14-rotation per year training level in 1985, staging area inefficiency could have a major impact on training effectiveness, causing delays in troop assignment and distribution of training equipment.

Station	Project Title	Cost ($000)
Colorado		
Pueblo Depot Activity (PN 59)	Security Upgrade	600

This project is needed to upgrade the protection for sensitive arms and ammunition to the level required by current regulations and to prevent unauthorized entry of individuals into sensitive storage areas for the purpose of theft, sabotage, or other criminal acts. Category II sensitive items are now stored in igloos scattered throughout the installation, and they are protected by only a mild steel locking bar and two perimeter fences. Neither intrusion detection systems nor security lighting are now available. This project will consolidate all category II items into five rows of a single igloo block. The 50 igloos will be protected with high security harps, exterior security lighting, and an intrusion detection system (IDS). If this project is not provided, the depot will continue to be out of compliance with security regulations, requiring waivers which generate increased security costs for manpower and equipment. Further, the constant threat of unauthorized entry will persist.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION
Army Installations, Various Locations

4. PROJECT TITLE Projects Costed at $1.0 Million and Less	5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Georgia		
Fort Benning	Child Development Center Addition	
(PN 421)		280

This project is required to provide an addition to the existing child support service center to offer expanded child care support for 40 additional infants. The present child support service center cannot accommodate the increased number of families needing infant service. If this project is not provided, many military families needing child care support for their infants will be unable to receive this service. Furthermore, military wives with infants wishing employment to supplement their income may be unable to work without this service.

Station	Project Title	Cost ($000)
Germany		
Fulda	Child Development Center	
(PN 269)	Downs Housing	1,000

This project is required to provide a portion of required facilities for the Fulda Military Community, serving 8200 soldiers and their dependents. Project includes construction of a 99 capacity child care center, with fenced outdoor playground. Heating by central heating plant. Support facilities to include all utilities, access road, parking, sidewalks, and site work. Mechanical ventilation: 37,000 CFM. If this project is not provided, an inadequate prefabricated building with a capacity of 26 children and a diverted family housing room with a capacity of 22 children will continue to operate, with services denied to many soldiers whose only alternative is to use unregulated unreliable babysitting services wherever they can be found.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Germany		
Rheinberg	Child Development Center	
(PN 1133)	Reichel Kaserne	930

This project is required to provide child support services to a community population of more than 1,000 U.S. military and DOD employees. Project to include activity areas, office space, reception, staff work/lounge, lavatory, storage, kitchen, laundry, and utility rooms. Supporting facilities include playground, storage shed, fire protection, communications and site improvements. Mechanical ventilation: 37,000 CFM. There are no child support services on or near this installation. If this project is not provided, child support services will continue to be unavailable, adversely affecting morale of soldiers and their families. Accessibility for the handicapped will be provided. This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

Station	Project Title	Cost ($000)
Germany		
Stuttgart	Sewer System Upgrade	
(PN 1247)	Kornwestheim Airfld & Tng Area	820

This project is required to expand the sewer system at Kornwestheim in preparation for a scheduled build-up of facilities in this area. Project to include installation of a sewer line to complement the existing line, a collector basin with a 75,000-gallon capacity, and a self-priming sewage pump. Currently the sewage system servicing the training area and the golf clubs is barely able to cope with the combined storm water and effluent from the Army airfield and south end of Pattonville Family Housing. If this project is not provided, local authorities may refuse to accept more than a manageable flow from Pattonville. When the reactivation of Kornwestheim Army Airfield occurs, there will be no sewage lines in place to support the build-up. This project is not within an established NATO Infrastructure Category for common funding, nor is it likely to become eligible.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Germany		
Wuerzburg	Child Development Center	
(PN 1313)	Giebelstadt Army Airfield	1,000

This project is required to provide child care services for 99 children and will replace the existing inadequate facility. The new facility will provide both hourly care and full day care to those presently on the waiting list. This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

Station	Project Title	Cost ($000)
Germany		
Schweinfurt	Child Development Center	
(PN 1322)	Askren Manor Fam Hsg	900

This project is required to provide child support services to accomodate children presently under the full-day and hourly-care programs and those requiring, but not yet recieving these services. Project to consist of construction of a one story masonry extension to the Child Support Services Center, including all utilities, and an addition to the playgrond area. Heating by central heating plant. If this project is not provided, the critically-required expansion of full-day and hourly-care child support services cannot occur. Accessibility for the handicapped will be provided. This project is not eligible for the established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Germany		
Bad Kreuznach (PN 1331)	Child Development Center Bad Kreuznach Housing	900

This project is required to construct a child support service center for 99 children, aged 6 weeks to 12 years, as a replacement for a facility that was closed in 1983 and another with a capacity of only 68 spaces. Project will include all utilities, installed equipment, playground, parking, site improvements, provision for the handicapped. If this project is not provided, limited child support services will continue in inadequate facilities. This will adversely affect the unit's mission requirements and the quality of life of Army members and their families. Mechanical ventilation: 33,000 CFM.

Station	Project Title	Cost ($000)
Germany		
Bitburg (PN 1335)	Tactical Site Facilities	520

This project is required to provide seven (7) storage vaults with intrusion detection alarms for conventional basic load ammunition and the STINGER air defense weapons system at Patriot locations. Camouflaged fighting positions are required around these tactical sites for protection against ground attack. The Patriot Air Defense Missile System is scheduled to be stationed in the Bitburg area.

There are no facilities currently available and none are expected to become available that can satisfy the requirements for this project. This project is the US portion of a jointly funded US-NATO project.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Germany		
Ansbach	Child Development Center	
(PN 1340)	Crailsheim Fam Hsg	930

This project is required to construct a Child Development Center to accomodate 99 children, aged 6 weeks to 12 years, as a replacement for existing facilities which do not meet safety and capacity requirements. Project will include all utilities, including exterior connection lines for electrical, water, sewage, heating, and telephone, fire-detection system; site improvements include an entrance road, parking, walkways, and a playground area with fencing. Accessibility for the handicapped will be provided. If this project is not provided, there will be no center-based day care operations, and this will impact on troop readiness, family well-being, lost duty time, and increased conflict between parental responsibilities and unit mission requirements.

Station	Project Title	Cost ($000)
Germany		
Vilseck	Relocate Ammunition Area	
(PN 1356)	South Camp Vilseck	920

This project is required to relocate the existing ammunition holding area so that areas within the present explosion safety arcs can be developed to support the Force Modernization Program. Project will include construction of an ammunition holding area with gravel surface, security and lighting, guard towers, and a guard house with self-contained heating plant. Supporting facilities include all utilities, communications, a packaged sewage treatment plant, paving, storm drainage and site work. The existing ammunition storage area will be demolished (20,000 SY). This project is not within an established NATO Infrastructure Category (including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station		Project Title	Cost ($000)
Germany			
Giessen		Facility Modernization Phase III	
(PN 1428)	Rivers Barracks		970

This project is required to provide the additional concrete hardstand needed to park and perform organizational maintenance on 77 combat vehicles, 282 tactical vehicles, 106 trailers and 14 fuel vehicles. Project to include widening and repairing the access roads within Rivers Barracks, which will be the main traffic route through the installation for all military vehicles. Supporting facilities include POL separators and sand traps, a bituminous hardstand for parking, paving for curbs and gutters, lighting, storm drainage, and site work. This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

Station		Project Title	Cost ($000)
Germany			
Ansbach		Ammunition Storage	
(PN 2152)	Crailsheim Tng Area		860

This project is required to provide basic load ammunition storage for a Chaparral Battalion. Two earth-covered igloos and one small arms magazine will be constructed with all utilities, explosion-proof lighting, an access road with aprons, turning pads, storm drainage and intrustion detection systems (IDS). This project is not within an established NATO Infrastructure Category (including the Reinforcement Support Category) for common funding, nor is it expected to become eligible.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Army Installations, Various Locations

4.PROJECT TITLE Projects Costed at $1.0 Million and Less	5.PROJECT NUMBER Various

Station		Project Title	Cost ($000)
Germany			
Rheinberg		Communications Center Conversion	
(PN 2298)	Reichel Kaserne		400

This project is required to provide a communications center to support the needs of the military and civilian communities, including elements of the III (US) Corps. The only means of electronic communications presently available are two military communications vans and commercial telephones. No military communications center exists. Without this project, the command and control capabilities of the various units and commands will remain poor.

Station		Project Title	Cost ($000)
Germany			
Rheinberg		Automated Data Processing Facility	
(PN 2299)	Reichel Kaserne		680

This project is required to provide automatic data processing facilities which will provide logistical, personnel, and administrative computer support for assigned and attached units and organizations. Project will include conversion of an existing warehouse for housing and operating van-mounted military computers stored in an operational configuration. Currently, none of the required automated data processing (ADP) facilities are located in this area. If this project is not provided, the mission of the NORTHAG Units cannot be performed on the required schedule. This project is not within an established category for common funding, nor is it expected to become eligible.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Greece		
Katsimidhi Site	Operations Building	
(PN 13)	Katsimidhi Site	560

This project is required to construct an operations building with offices, storage, and mechanical rooms for use by the U.S. Army's detachments stationed at this remote site. Existing facilities were constructed to austere NATO criteria in the mid 1960s and, due to their age and the lack of host-country maintenance and repair, they are in a very deteriorated state and far below the standard of facilities to which U.S. soldiers are accustomed. The proposed construction will greatly improve troop morale and help to maintain a high state of unit readiness at this critical location. Action to attempt recoupment for a minor NATO portion will delay construction, increase overall costs, and provide little or no return on resources invested. An Economic Analysis is not necessary for this project. All potential alternatives were examined in the development of the project and none were found to be feasible.

Station	Project Title	Cost ($000)
Greece		
Drama Remote Site	Operations Building Modernization	
(PN 19)	Drama Remote Site	730

This project is required to upgrade/modernize a dining and operations support facility for use by U.S. Army troops stationed at this remote site. Existing facilities were constructed to austere NATO criteria in the mid-1960s and, due to their age and the lack of host-country maintenance and repair, they are in a very deteriorated state and far below the standard of facilities to which U.S. soldiers are accustomed. The proposed construction will greatly improve troop morale and help to maintain a high state of unit readiness at this critical location. Action to attempt recoupment for a minor NATO portion will delay construction, increase overall costs, and provide little or no return on resources invested. An Economic Analysis is not necessary for this project. All potential alternatives were examined in the development of the project and none were found to be feasible.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Illinois		
Savanna Army Depot (PN 87)	Security Upgrade	320

This project will upgrade physical security for conventional arms, ammunition, and explosives. The project consists of installing an intrusion detection system (IDS) on 31 igloos and one (LCL) building, including wiring, monitors, sensors, transmitters and receivers. Also, security lighting will be installed over each door. If this project is not provided, the threat of intrusion will continue.

Station	Project Title	Cost ($000)
Italy		
Zelo (PN 166)	Barracks	610

This project is required to provide adequate housing for 12 E1-E4, and 5 E5-E6(intended utilization), with a maximum utilization of 22. The project will consist of six standard bedroom modules, laundry, storage, and dayroom. Supporting facilities include all utilities, water softner, fire alarm system, and communications. The existing facility was constructed in the early 1960's to NATO standards and has not been upgraded. This project is not within an established NATO Infrastructure Category for common funding, nor is it expected to become eligible.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Kentucky Fort Campbell (PN 383)	Fuel Pumping Station	240

This project is required to provide safe and efficient refueling for the 341 helicopters assigned to the 101st Airborne Division (Air Assault). The project will include two 600 gallon per minute (gpm) pumps, two 600 gpm filter separators, underground aluminum pipe, valves and fittings, and ten flow meters. The existing storage tank, pump house, and concrete refueling pads will be used. All material with the exception of the 600 gpm filter separators will be procured from a commercial source. The present system, which consists of a 350 gpm tactical pump and filter separator, a 300 gpm commercial pump and filter separator, and a tactical hose line system, must operate at reduced pressure and suffers from numerous hose ruptures. These cause safety and environmental hazards and require the refueling system to cease operations during cleanup.

Station	Project Title	Cost ($000)
Kentucky Lexington-Blue Grass Depot Activity (PN 82)	Security Upgrade	540

This project is required to provide adequate security for ammunition storage at the Blue Grass Facility. An intrusion detection system (IDS) and exterior security lighting will be installed on 66 igloos. This modernization will eliminate the current security risk for ammunition storage and the necessity for operating under waivers of current security regulations.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Korea Camp Market (PN 1023)	Unaccompanied Officers Housing	540

This project is required to provide adequate bachelor housing for 16 officers (maximum utilization). The project will include all utilities, roads, sidewalks, paving, storm drainage and site work. These quarters will replace obsolete, deteriorated V-quonset- type structures built in 1953. Demolish three (3) buildings (2,704 SF).

Station	Project Title	Cost ($000)
Korea Camp Liberty Bell (PN 1038)	Barracks	780

This project is required to provide adequate housing for 24 E5-6 and 8 E7-9 (intended utilization) with a maximum utilization of 60. The project will include utilities, paving, walks, fire protection, communications and site improvements. Heating and air-conditioning by self- contained units. Air conditioning: 20 tons. Demolish three (3) buildings (6,027 SF). If this project is not provided, soldiers will be forced to continue living in substandard housing. High maintenance and repair costs and excessive energy consumption will persist. These conditions will adversely affect troop morale and negatively impact combat readiness and mission accomplishment.

Station	Project Title	Cost ($000)
Korea Camp Greaves (PN 1062)	Tactical Equipment Shop	340

This project is required to provide a two-bay addition to the existing maintenance facilities. The work will include a grease pit, overhead hoist, latrines, tool and parts storage, generator storage, office space, and a battery and communications shop. The existing four-bay maintenance facility is adequate, but not large enough to accommodate the equipment of an Infantry Battalion.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Korea Pusan (PN 1081)	Fire Station	340

This project is needed to construct a fire station, with all supporting facilities, to provide first alarm response for depot supply facilities with an average inventory of over $32 million and to other U.S. Army facilities in the area. Currently, the fire station is housed in a quonset hut built during the Korean War. Due to severe settlement, serious corrosion of the siding and structural members, extensive termite damage and dry rot, the facility is on the verge of collapse.\ If this project is not provided, personnel and the $32 million in stored material will not be properly protected.

Korea Yongson (PN 1083)	Tactical Equipment Shop	1,000

This project is required to provide adequate maintenance facilities and hardstand area to support 175 tactical vehicles (prime movers). The maintenance facility will include a grease rack, wash platform, hardstand, office space, and storage for flammable materials. Support facilities include all utilities, storm drainage, communications, fuel oil storage and site work. Maintenance activities are presently housed in deteriorated, Korean-War vintage quonset huts, which are too small and lack adequate maintenance equipment. Five quonset huts will be demolished for this project (9,315).

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Korea		
Yongson	Upgrade Tactical Equipment Shop	
(PN 1088)		1,000

This project is required to provide adequate maintenance facilities for operator and organizational level vehicle maintenance. The project will include a tactical maintenance shop with grease pit, overhead hoist, washrack, POL storage, office space, tools and parts storage, battery shop, and a flammable materials storage building. Supporting facilities include all utilities, an automatic fire protection system, communications and site work. Heating will be by an oil-fired heating system. Demolish five buildings (10,501 SF). The present facilities are located in three substandard structures built after the Korean War. Use of these buildings makes efficient operations impossible. Further maintenance and repair on them is not economically feasible. The appropriation requested for this project reflects a cost savings of $300,000 based on awarding a single construction contract for this project with project numbers 1082 and 1083 at Yong San, Korea.

Station	Project Title	Cost ($000)
Korea		
K-16 Army Airfield	Tactical Equipment Shop	
(PN 1089)		920

This project is required to provide adequate maintenance facilities and hardstand area. Supporting facilities include utilities services, site work, storm drainage, paving, walks, fire protection\ alarm systems, and communications. Heating is by self-contained units. There is currently no facility at K-16 to support the maintenance requirements. If this project is not provided, maintenance of vehicles will continue to be performed in facilities located elsewhere and needed for other units.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Korea Camp Carroll (PN 1094)	Tactical Equipment Shop	820

This project is required to construct an organizational maintenance facility to include a grease rack, wash platform, flammable and deployment storage, station house, sentry station, outdoor storage for support maintenance, all required utilities, site improvements, and security fencing with gates. Heating is by self-contained, oil-fired system. Presently, no maintenance facility exists, so that all maintenance work is being performed outdoors when weather permits. The lack of a facility impairs this unit's ability to carry out its mission and adversely affects morale of assigned personnel.

Station	Project Title	Cost ($000)
Korea Camp Pelham (PN 1115)	Barracks	980

This project will provide standard design, semi-permanent quarters with an intended and maximum utilization of 96 E1-E4 spaces for troops stationed at Camp Pelham. It is part of a continuing effort to provide adequate housing for U. S. soldiers in Korea who are living in old, deteriorated, temporary-type facilities that were built in the 1950s. While a deficiency of adequate quarters still exists, this project will lessen the shortage. Demolish thirteen (13) buildings (19,362SF).

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Army Installations, Various Locations

4.PROJECT TITLE Projects Costed at $1.0 Million and Less	5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Korea Camp Casey (PN 1118)	Communication/Electronics Maintenance Facs	490

This project is required to provide an adequate communications and electronics maintenance facility. Project will include a shop area, supply room, tool storage room, latrines, all utilities, site work, storm drainage, parking, walks and communications. A self-contained heating system, mechanical ventilation, and fire protection sytem will be provided. Currrently, repair and maintenance functions are performed in badly-deteriorated quonset structures built in 1956. If this project is not provided, communications and electronics maintenance personnel will be forced to continue to work in substandard, hazardous, and grossly deteriorated facilities. Present unsatisfactory conditions will seriously impair the unit's ability to carry out its assigned mission.

Station	Project Title	Cost ($000)
Korea Camp Laguardia (PN 1166)	Airfield Fire Station	320

This project is required to provide an adequate airfield fire and rescue station to meet emergency rescue missions. Project to include utilities, walks, storm drainage, site work, fire protection and communications. Heating and air conditioning by self-contained systems. Currently, fire and rescue equipment is located in a badly deteriorated temporary building that is not designed nor adequate for fire fighting apparatus. Demolish three (3) temporary buildings (1,740 SF). Air conditioning: 10 tons.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

Army Installations, Various Locations

4.PROJECT TITLE Projects Costed at $1.0 Million and Less	5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Korea Yongson (PN 1174)	Battalion Headquarters	760

This project will provide an operations building for the 227th Maintenance Battalion which is presently using three (3) deteriorating quonset huts. By FY 87, most of the functions of the battalion will be operating from SP 51, which is 2 miles away. Separation of headquarters from the unit's work location makes everyday operations inefficient and expensive. This project will provide an operations building, utilities, paving, storm drainage, communications and fuel oil storage.

Korea Camp Carroll (PN 1180)	Storage Warehouse	920

This project will provide a warehouse and open storage for a combat support hospital. Currently, the hospital's equipment is being stored in Japan, awaiting movement to Korea. The proposed project includes a warehouse, open storage, utilities, fire protection, paving, storm drainage, site preparation, communications, security, fencing and lighting.

Korea Yongson (PN 1226)	Widen Road	1,000

This project is required to widen an existing roadway between south post and SP 51, from two lanes to four lanes. Traffic on this road is already severely congested. The addition of several family housing units and a commissary in this area by FY 88 will bring about further congestion, causing many lost manhours and an increased potential for traffic accidents. The project will provide additional lanes, retaining walls, site work, removal of structures and relocation of utility lines.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Maryland		
Aberdeen Proving Ground (PN 320)	Condensate Return	750

This project is required to assist Aberdeen Proving Ground in achieving the energy use reduction goals prescribed by Executive Order 12003 and complementary regulations established by the Departments of Energy and the Army. The project will consist of 26,675 linear feet of piping to recover the existing condensate, which is presently discharged on grade or into the storm sewers, and reuse it to preheat boiler feed water. When completed, this project will reduce Aberdeen's energy use by an estimated total of 13,074 MBTU per year. Implementation of this project will result in an annual energy cost avoidance of $115,505. This project has a savings investment ratio of 1.48.

Station	Project Title	Cost ($000)
Maryland		
Harry Diamond Laboratories (PN 26)	Computer Laboratory Addition	680

This project is required to provide adequate laboratory space for the new high power microwave (HPM) test and development equipment needed to support the Army's program for developing HPM sources and determining HPM vulnerabilities. The US is significantly behind the USSR in developing high power microvave technology, and there is insufficient space in the existing High Intensity Flash X-ray (HIFX) facility. This project will construct a single story concrete masonry unit laboratory addition to the HIFX building. This high bay addition will have a 15 foot by 15 foot door, to allow access by vehicles. The addition will use extensions of the buildings communication and water systems. Heating and cooling will be by self- contained system. Support facilities include storm drainage, paving, sod, and seeding.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
New Mexico		
Fort Wingate (PN 33)	Security Upgrade	350

This project is required to provide additional, improved security for ammunition igloos and an arms room for storage of sensitive ammunition items. Existing and projected storage requirements for arms and ammunition require 15 igloos and one arms room to store Category I and II items. Currently, igloos lack required security fencing, intrusion detection systems, and security lighting. Operations can be continued only with security waivers and increased security staffing. If this project is not provided, existing substandard procedures using roving security patrols and sensitive ammunition items will continue to be vulnerable to adverse actions.

Station	Project Title	Cost ($000)
North Carolina		
Sunny Point Military Ocean Terminal (PN 55)	Provost Marshal Facility	650

Construction of a permanent, fire resistive,installation security control center building. Structure will utilize a standard design complete with electricity, water and sewer connections. Design incorporates parking areas for inprocessing personnel, visitors, and guard force vehicles. Accessibility for handicapped will be provided for safety reasons. This project is required to provide an adequate installation security control center building (3,600 SF) to improve the operational effectiveness of the installation security branch. The present obsolete facility cannot be expanded because of its location. Project includes all utilities, communications and parking. Air Conditioning: 12 Tons.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Army Installations, Various Locations		
4. PROJECT TITLE Projects Costed at $1.0 Million and Less		5. PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Panama Canal Zo		
Fort Kobbe	Aircraft Parking Apron Extension	
(PN 19)		420

This project is required to provide additional taxiway and parking apron space for 15 rotary-wing aircraft. Project includes an asphalt apron extension, concrete parking pads with tie-down anchors, perimeter security lighting and storm drainage. This project is required to support an expanded aviation mission and the accelerated acquistion program for the UH-60A Blackhawk helicopter.

Station	Project Title	Cost ($000)
Pennsylvania		
Carlisle Barracks	Tactical Equipment Shop	
(PN 5)		800

This project will replace two undersized buildings that have been converted for use as vehicle maintenance facilities for the Directorate of Engineering and Housing and the Transportation Division. The present facilities are located at opposite ends of the post. They both have serious safety deficiencies and numerous problems, such as inadequate exhaust systems, insufficient work space, tool bench space, vehicle lifts and work bay doors that are too small. One of the buildings is a World War II temporary-type building that will be demolished (2,766 SF). The other building will be used by the DEH Roads and Lands Division. The proposed maintenance shop will provide a consolidated facility with adequate work space, parking space, and equipment to maintain all of the vehicles at Carlisle Barracks.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Texas		
Fort Sam Houston (PN 147)	Water Storage Tank	800

This project is required to provide adequate water pressure and storage by constructing an elevated water tank. Project includes a 250,000 gallon water storage tank, a pump station, and utilities services. Due to low pressure, the present system is highly susceptible to the generation of excessive bacteria, which could cause a severe health hazard. In addition, inadequate fire flows pose an eminent life/safety hazard. The Texas Department of Health has twice cited the installation for non-compliance and could order the system to be closed down. Failure to provide this project will have significant environmental health impact if adequate water pressure and storage are not provided.

Station	Project Title	Cost ($000)
Virginia		
Fort Story (PN 53)	Storage/Maintenance Facility	1,000

This project is required to provide adequate storage, maintenance and training facilities for the Multileg Mooring System (MLMS), an offshore component of the Tactical Marine Petroleum Terminal. The facility will include classroom space, storage and an open maintenance area. Supporting facilities include all utilities, paving, storm drainage and communications. Presently, all equipment for the MLMS is stored in unprotected, outdoor areas or in vans without the necessary environmental controls to protect the equipment. If this project is not provided, the MLMS equipment will continue to be stored in an uncontrolled, detrimental environment. Training and maintenance facilities will continue to be unavailable, limiting the effectiveness of the new system.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Washington Fort Lewis (PN 313)	Fire Protection System	480

This project is required to provide installation of an aqueous film forming foam deluge-type fire protection system in the hangar bay area and a dry-type system in the shops and offices of a 42,089 SF aircraft maintenance hangar. Hangar building 3063 is the only aircraft hangar on post that is without a fire protection sprinkler system. The project is needed to establish fire resistance and safeguard the hangar, aircraft, tools and equipment valued in excess of 40 million dollars, and the lives of 120 workers. Existing fire protection systems consist of hydrants located outside the hangar and portable fire extinguishers inside, neither of which could cope with a flash fire.

Station	Project Title	Cost ($000)
Washington Fort Lewis (PN 552)	COMSEC Maintenance Facility	600

This project is required to construct a 4,758 SF electronics communications maintenance building for the 35th Communications Security Support Detachment. Project will include access and parking, walks, fencing, utilities services, and site work. Heating and air-conditioning by self-contained systems. Air conditioning: 5 tons. Currently, the unit is occupying space needed by the electrical section, and the space provides only 60 percent of that necessary to accomplish the unit's mission requirements. If this project is not provided, the unit's mission will be adversely impacted for lack of adequate quantity and type of space. Accessibility for the handicapped will be provided.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Army Installations, Various Locations		
4.PROJECT TITLE Projects Costed at $1.0 Million and Less		5.PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Wisconsin		
Badger Army Ammunition Plant (PN 23)	Open/Close Landfill	980

This project is required to prevent increased groundwater pollution by leachate from an existing 20-acre solid waste landfill. The existing landfill is unlined and is located over very porous subsoil. Samples of groundwater from monitoring wells indicate that leachate is entering the aquifer. The proposed 3-acre landfill will be constructed with a five-foot clay liner, one-foot granular protective liner cover, and leachate and gas collection systems and have expansion capability to 12 acres. Economic Analysis indicates the cost effectiveness of this project. An economic analysis has been prepared comparing this project with the alternative of offsite dumping. On the basis of net present value, as calculated over the life of the project, this alternative was found to be the most economically efficient.

14 February 1986

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DEPARTMENT OF THE ARMY
ARMY FAMILY HOUSING
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DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Alabama		Fort Rucker (TRADOC)				
	N/A	Improve GOQs	8	8	100	865
		Subtotal Fort Rucker Part II	8	8		
		Total for State of Alabama for AFH	8	8		
Alaska		Fort Wainwright (FORSCOM)				
	191	Family Housing New Construction	33,000	33,000	TKY	813
		Subtotal Fort Wainwright	33,000	33,000		
		Fort Greely (FORSCOM)				
	N/A	Improve Enlisted Quarters	5,700	5,700	35	865
		Subtotal Fort Greely	5,700	5,700		
		Total for State of Alaska for AFH	38,700	38,700		
Arizona		Fort Huachuca (ISC)				
	N/A	Renew Capehart Units	867	867	100	865
		Subtotal Fort Huachuca Part II	867	867		
		Total for State of Arizona for AFH	867	867		
California		Fort Irwin (FORSCOM)				
	N/A	Improve Energy Efficiency	1,006	0	35	866
	220	Mobile Home Spaces	730	730	100	787
		Subtotal Fort Irwin Part II	1,736	730		
		Fort Ord (FORSCOM)				
	N/A	Improve Energy Efficiency	670	0	35	866
	392	Family Housing New Construction	34,000	34,000	TKY	793
	N/A	Upgrade Junior Enlisted Quarters	14,260	14,260	100	867
	N/A	Improve Utility Service	780	780	45	867
		Subtotal Fort Ord Part II	49,710	49,040		

TKY = TURNKEY DESIGN

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
California		Total for State of California for AFH	51,446	49,770		
Colorado		Fort Carson (FORSCOM)				
	N/A	Improve Enlisted Quarters	6,460	6,460	90	868
		Subtotal Fort Carson Part II	6,460	6,460		
		Total for State of Colorado for AFH	6,460	6,460		
District of Columbia		Walter Reed Army Medical Center (HSC)				
	129	Renovate GOQs	99	99	50	868
		Subtotal Walter Reed Army Medical Center Part II	99	99		
		Total for State of District of Columbia for AFH	99	99		
Hawaii		Hickam Air Force Base (WESTCOM)				
	N/A	Improve Enlisted and Officers Quarters	1,350	1,350	95	869
		Subtotal Hickam Air Force Base Part II	1,350	1,350		
		Pearl Harbor (WESTCOM)				
	N/A	Improve Enlisted Quarters	2,125	2,125	90	870
		Subtotal Pearl Harbor Part II	2,125	2,125		
		Tripler Army Medical Center (WESTCOM)				
	N/A	Renew Adequate Quarters	3,280	3,280	35	871
		Subtotal Tripler Army Medical Center Part II	3,280	3,280		
		Total for State of Hawaii for AFH	6,755	6,755		
Illinois		Saint Louis Area Support Center (AMC)				

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ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Illinois	N/A	Improve General Officers Quarters	27	27	100	871
		Subtotal Saint Louis Area Support Center Part II	27	27		
		Fort Sheridan (FORSCOM)				
		Improve GOQs and Historical Units	3,548	3,548	40	871
		Subtotal Fort Sheridan Part II	3,548	3,548		
		Total for State of Illinois for AFH	3,575	3,575		
Indiana		Fort Benjamin Harrison (TRADOC)				
	135H	Upgrade Substandard Housing	4,753	4,753	40	872
	N/A	Improve Energy Efficiency	1,247	0	40	872
		Subtotal Fort Benjamin Harrison Part II	6,000	4,753		
Kansas		Fort Riley (FORSCOM)				
	N/A	Upgrade Junior Enlisted Substandard Quarters	3,584	3,584	35	873
		Subtotal Fort Riley Part II	3,584	3,584		
		Total for State of Kansas for AFH	3,584	3,584		
Kentucky		Fort Campbell (FORSCOM)				
	N/A	Improve General Officers Quarters	6	6	100	873
		Subtotal Fort Campbell Part II	6	6		
		Fort Knox (TRADOC)				
	N/A	Renewal of Wherry Housing (Enlisted Quarters)	4,228	4,228	89	874

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSANDS)
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STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Kentucky		Subtotal Fort Knox Part II	4,228	4,228		
		Total for State of Kentucky for AFH	4,234	4,234		
Louisiana		Fort Polk (FORSCOM)				
	1573	Family Housing New Construction	37,000	37,000	TKY	799
		Subtotal Fort Polk Part II	37,000	37,000		
		Total for State of Louisiana for AFH	37,000	37,000		
Maryland		Aberdeen Proving Ground (AMC)				
	347	Family Housing New Construction	9,700	9,700	TKY	765
	348	Mobile Home Spaces	1,100	1,100	35	767
	N/A	Improve GOQs	18	87	100	767
		Subtotal Aberdeen Proving Ground Part II	10,818	10,818		
		Fort Meade (FORSCOM)				
	N/A	Upgrade Junior Enlisted Quarters	7,381	7,381	40	875
		Subtotal Fort Meade Part II	7,381	7,381		
		Total for State of Maryland for AFH	18,199	19,199		
Michigan		Selfridge Air National Guard Base (AMC)				
	N/A	Improve Capehart Enlisted/Officer Quarters	6,600	6,600	35	876
		Subtotal Selfridge Air National Guard Base Part II	6,600	6,600		
		Total for State of Michigan for AFH	6,600	6,600		

DEPARTMENT OF THE ARMY
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ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
New Jersey		Fort Dix (TRADOC)				
	N/A	Renewal of Wherry Enlisted Housing	7,310	7,310	90	877
		Subtotal Fort Dix Part II	7,310	7,310		
		Total for State of New Jersey for AFH	7,310	7,310		
New York		Fort Drum (FORSCOM)				
	168	Family Housing New Construction	91,000	91,000	TKY	773
		Subtotal Fort Drum Part II	91,000	91,000		
		Seneca Army Depot (AMC)				
	91	Family Housing New Construction	2,900	2,900	TKY	807
		Subtotal Seneca Army Depot Part II	2,900	2,900		
		United States Military Academy (USMA)				
	N/A	Improve Enlisted/Officers Quarters	1,631	1,631	85	878
	N/A	Improve Energy Efficiency	870	0	35	878
		Subtotal United States Military Academy Part II	2,501	1,631		
		Total for State of New York for AFH	96,401	95,531		
North Carolina		Fort Bragg (FORSCOM)				
	N/A	Improve Enlisted Quarters	6,094	6,094	90	878
		Subtotal Fort Bragg Part II	6,094	6,094		
		Military Ocean Terminal Sunny Point (MTMC)				
	N/A	Improve Historic Quarters	60	60	35	879
		Subtotal Military Ocean Terminal Sunny Point Part II	60	60		

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ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSANDS)
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STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
		Total for State of North Carolina for AFH	6,154	6,154		
Oklahoma		Fort Sill (TRADOC)				
	N/A	Renew Enlisted Quarters	2,240	2,240	50	879
		Subtotal Fort Sill Part II	2,240	2,240		
		Total for State of Oklahoma for AFH	2,240	2,240		
Pennsylvania	37H	Fort Indiantown Gap (FORSCOM)				
		Upgrade Substandard Housing	166	166	50	880
	N/A	Improve Energy Efficiency	113	0	97	880
		Subtotal Fort Indiantown Part II	279	166		
		Total for State of Pennsylvania for AFH	279	166		
Texas		Fort Bliss (TRADOC)				
	N/A	Improve Energy Efficiency	644	0	35	881
	143H	Fort Sam Houston (FORSCOM)				
		Renew Officers Quarters	930	930	35	882
	N/A	Improve Energy Efficiency	210	0	40	882
		Subtotal Fort Sam Houston Part II	1,140	930		
		Total for State of Texas for AFH	1,784	930		
Virginia		Fort Belvoir (TRADOC)				
	N/A	Improve Enlisted and Officers Quarters	3,554	3,554	35	883
		Subtotal Fort Belvoir Part II	3,554	3,554		
		Fort Myer (MDW)				
	128H	Renovate Historic GOQs	140	140	40	883

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Virginia		Subtotal Fort Myer Part II	140	140		
		Total for State of Virginia	3,694	3,694		
TOTAL INSIDE THE UNITED STATES FOR AFH			301,389	296,629		
		Planning and Design	24,000	24,000		955
		Subtotal Planning and Design Part II	24,000	24,000		
TOTAL PLANNING AND DESIGN			24,000	24,000		

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSAND)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Germany		Aschaffenburg (USAREUR)				
	14159	Renew Family Housing	5,120	5,120	40	913
	15227	Convert Family Housing Attic Spaces	2,800	2,800	40	915
		Bremerhaven (USAREUR)				
	N/A	Renew Quarters	2,025	2,025	56	888
	15576	Convert Family Housing Attic Spaces to Adequate Quarters	1,400	1,400	40	919
	1460	Crailsheim (USAREUR) Family Housing New Construction	4,100	4,100	TKY	819
		Darmstadt (USAREUR)				
	1568	Family Housing New Construction	3,150	3,150	TKY	823
		Erlangen (USAREUR)				
	1569	Family Housing New Construction	9,400	9,400	TKY	827
		Frankfurt (USAREUR)				
	N/A	Renew Quarters	7,770	7,770	97	889
		Giessen (USAREUR)				
	N/A	Renew Quarters	4,485	4,485	76	890
	N/A	Improve Energy Efficiency	793	0	35	890
		Heidelberg (USAREUR)				
	N/A	Renew Quarters	1,555	1,555	76	891
		Herzo Base (USAREUR)				
	1571	Family Housing New Construction	3,300	3,300	TKY	831
		Hohenfels (USAREUR)				
	N/A	Renew Quarters	160	160	35	892

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSAND)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Germany		Karlsruhe (USAREUR) Renew Quarters	1,565	1,565	47	892
	1532	Convert Family Housing Attic Spaces	1,400	1,400	40	923
		Kitzingen (USAREUR)				
	N/A	Renew Quarters	6,895	6,895	62	893
	1533	Convert Family Housing Attic Spaces	5,950	5,950	40	927
	1570	Mainz (USAREUR) Family Housing New Construction	1,850	1,850	TKY	835
	16691	Renew GOQs	69	69	45	931
		Mannheim (USAREUR)				
	N/A	Renew Quarters	4,830	4,830	85	895
		Nuernberg (USAREUR)				
	N/A	Renew Quarters	4,260	4,260	97	896
	N/A	Improve Energy Efficiency (KALB)	2,708	0	35	896
	1458	Schweinfurt (USAREUR) Family Housing New Construction	8,400	8,400	TKY	839
	1459	Vilseck (USAREUR) Family Housing New Construction	21,000	21,000	TKY	843
		Wiesbaden (USAREUR)				
	N/A	Improve Energy Efficiency	3,770	0	35	896

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSAND)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
Germany	1572	Wildflecken (USAREUR) Family Housing New Construction	2,050	2,050	TKY	849
		Worms (USAREUR)				
	N/A	Renew Quarters	1,220	1,220	62	897
	15608	Convert Family Housing Attic Spaces	350	350	40	933
		Wuerzburg (USAREUR)				
		Renew Quarters	3,770	3,770	100	898
		Subtotal Germany Part II	116,145	108,874		
		Total State of Germany for AFH	116,145	108,874		
Italy		Livorno (USAREUR)				
	180	Family Housing New Construction	7,700	7,700	TKY	855
		Subtotal Italy Part II	7,700	7,700		
		Total State of Italy for AFH	7,700	7,700		
Japan		Sagami General Depot (USARJ)				
	N/A	Improve Energy Efficiency	210	0	90	884
		Sagamihara Dependent Housing Area				
	N/A	Renew Quarters	500	500	35	884
	N/A	Improve Energy Efficiency	2,350	0	90	884
		Camp Zama (USARJ)				
	N/A	Improve GOQs	12	12	100	885
	N/A	Improve Energy Efficiency	580	0	90	885
	N/A	Improve Energy Efficiency	500	0	90	885

DEPARTMENT OF THE ARMY
FISCAL YEAR 1987
ARMY FAMILY HOUSING CONSTRUCTION (PART II)
(DOLLARS ARE IN THOUSAND)
OUTSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PERCENT DESIGN	PAGE
		Subtotal Japan Part II	4,152	512		
		Total State of Japan for AFH	4,152	512		
Korea		Pusan (EUSA)				
	1227	Renew Housing	2,237	2,237	35	909
	N/A	Improve Quarters	358	358	90	886
		Yongsan (EUSA)				
	15322	Renew GOQs	70	70	35	911
		Subtotal Korea Part II	2,665	2,665		
		Total State of Korea for AFH	2,665	2,665		
Kwajalein		Kwajalein Various (SDC)				
	243	Family Housing New Construction	23,000	23,000	TKY	781
		Subtotal Kwajalein Part II	23,000	23,000		
		Total for State of Kwajalein for AFH	23,000	23,000		
TOTAL OUTSIDE THE UNITED STATES FOR AFH			153,662	142,751		
ARMY FAMILY HOUSING CONSTRUCTION (PART II) TOTAL			479,051	463,380		

DEPARTMENT OF THE ARMY
ARMY FAMILY HOUSING
FY 87 BUDGET
SUMMARY

(In Thousands)
FY 87 Program $1,740,646
FY 86 Program $1,445,164

Purpose and Scope

This program provides for the support of the worldwide family housing function within the Department of the Army.

Program Summary

Authorization is requested for:

(1) The performance of certain construction summarized hereafter; and

(2) The appropriation of $1,740,646,000 to fund:

(a) this construction; and

(b) certain other functions already authorized in existing legislation.

Appropriation is requested for $1,740,646,000 as follows:

	$000
Construction	463,380
Operation and Maintenance, Leasing and Debt Payment	1,277,266
TOTAL ARMY FAMILY HOUSING APPROPRIATION	1,740,646
Plus: Reimbursable Authority	14,000
Total Army Family Housing Program	1,754,646

-14 February 1986

DEPARTMENT OF THE ARMY
AUTHORIZATION/APPROPRIATION
REQUEST FOR
ARMY FAMILY HOUSING
$1,740,646

FUNDING PROGRAM		FY 87 ($000)
Construction/Acquisition of Housing		293,380
Post Acquisition Construction		146,000
Planning and Design		24,000
Authorization Request-Construction		463,380
Operation and Maintenance		1,095,318
Operating Expenses	507,466	
Maintenance	587,852	
Leasing		173,885
Debt Payment		8,063
Principal	7,646	
Interest and Other Expenses	347	
Servicemen's Mortgage Insurance Premiums for Existing Coverage	70	
Appropriation Request-O&M and Debt Payment		1,277,266
TOTAL ARMY FAMILY HOUSING APPROPRIATION REQUEST		1,740,646
Plus: Reimbursable Program		14,000
TOTAL ARMY FAMILY HOUSING PROGRAM		1,754,646
Less: Applied Request to Principal		7,646
TOTAL ARMY FAMILY HOUSING PROGRAM (ADJUSTED)		1,747,000

14 February 1986

APPROPRIATION LANGUAGE
ARMY FAMILY HOUSING
FY 1987

For expenses of family housing for the Army for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction [$262,018,000] $463,380,000, for Operations and Maintenance [$1,167,069,000] $1,269,203,000, for Debt Payment [$16,077,000] $8,063,000, in all [$1,445,164,000] $1,740,646,000. Provided, that the amount provided for construction shall remain available until [September 30, 1991] expended (10 U.S.C. 2824, 2827-29, 2831, 2851-54, 2857; Military Construction Appropriation Act, [1985] 1986; additional appropriation legislation to be proposed.)

Family Housing, Army
Program and Financing (in Thousands of dollars)

		Budget Plan (amounts for FAMILY HOUSING actions programed)			Obligations		
Identification code	21-0702-0-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
	Construction:						
01.0101	Construction of new housing	37,046	145,018	293,380	39,746	157,600	265,131
01.0201	Construction improvements	92,254	102,000	146,000	73,915	46,290	91,469
01.0301	Planning	13,915	15,000	24,000	11,433	19,559	25,425
01.9101	Total construction	143,215	262,018	463,380	125,094	223,449	382,025
	Operation, maintenance, and interest payment:						
	Operation:						
02.0101	Operating expenses	511,008	493,502	507,466	511,008	493,502	507,466
02.0201	Leasing	98,767	113,567	173,885	98,767	113,567	173,885
02.0301	Maintenance of real property	572,391	560,000	587,852	572,391	560,000	587,852
02.0401	Interest payments	1,634	918	347	1,634	918	347
02.0501	Mortgage insurance premiums	76	95	70	76	95	70
02.9101	Total operation, maintenance, and interest	1,183,876	1,168,082	1,269,620	1,183,876	1,168,082	1,269,620
03.0101	Reimbursable	11,169	13,200	14,000	11,169	13,200	14,000
10.0001	Total	1,338,260	1,443,300	1,747,000	1,320,139	1,404,731	1,665,645
	Financing:						
	Offsetting collections from:						
11.0001	Federal funds(-)	-2,088	-2,810	-3,249	-2,088	-2,810	-3,249
13.0001	Trust funds(-)	-6	-10	-11	-6	-10	-11
14.0001	Non-Federal sources(-)	-9,075	-10,380	-10,740	-9,075	-10,380	-10,740
17.0001	Recovery of prior year obligations				-2,126		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans				-92,037	-112,218	-150,787
21.4007	Reprograming from/to prior year budget pla	-66					
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans				112,218	150,787	232,142
25.0001	Unobligated balance lapsing	1,361			1,361		
39.0001	Budget authority	1,328,387	1,430,100	1,733,000	1,328,387	1,430,100	1,733,000
	Budget authority:						
40.0001	Appropriation	1,348,432	1,445,164	1,740,646	1,348,432	1,445,164	1,740,646
40.4701	Portion applied to debt reduction(-)	-20,045	-15,064	-7,646	-20,045	-15,064	-7,646
43.0001	Appropriation (adjusted)	1,328,387	1,430,100	1,733,000	1,328,387	1,430,100	1,733,000

Family Housing, Army
Object Classification (in Thousands of dollars)

Identification code	21-0702-0-1-051	1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Personnel compensation:			
111.101	Full-time permanent	14,322	17,007	16,738
111.301	Other than full-time permanent	9,112	11,328	11,149
111.501	Other personnel compensation	1,366	1,397	1,376
111.901	Total personnel compensation	24,800	29,732	29,263
112.101	Personnel Benefits: Civilian personnel	3,885	4,705	4,640
113.001	Benefits for former personnel	61	74	73
121.001	Travel and transportation of persons	1,179	1,000	1,000
122.001	Transportation of things	6,773	7,000	8,000
123.201	Rental payments to others	261,338	487,000	587,382
124.001	Printing and reproduction	87	500	600
	Other services:			
125.001	Payments to foreign national indirect hire personnel	18,104	16,801	22,895
125.002	Purchases from industrial funds	4,700	4,000	4,000
125.003	Contracts	367,496	77,788	80,589
125.004	Other	381,614	407,352	382,434
126.001	Supplies and materials	108,357	69,000	67,000
131.001	Equipment	3,848	62,117	81,327
132.001	Lands and structures	125,094	223,449	382,025
143.001	Interest and dividends	1,634	1,013	417
199.001	Total Direct obligations	1,308,970	1,391,531	1,651,645
	Reimbursable obligations:			
223.201	Rental payments to others	8,320	6,000	7,000
	Other services:			
225.003	Contracts	2,000	4,000	4,000
225.004	Other	849	2,200	2,000
231.001	Equipment		1,000	1,000
299.001	Total Reimbursable obligations	11,169	13,200	14,000
999.901	Total obligations	1,320,139	1,404,731	1,665,645

14 February 1986

ARMY FAMILY HOUSING
FY 87 BUDGET

NEW CONSTRUCTION

(In Thousands)
FY 87 Appropriation $293,380
FY 86 Appropriation $145,018

Purpose and Scope

This program provides for site preparation, construction, and initial outfitting with fixtures and integral equipment of new family housing units and associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community facilities.

Program Summary

Authorization is requested in FY 87 for:

1. Construction of 3,292 units of family housing, including replacement of 140 substandard units. Includes construction to support the 10th Light Infantry Division at Fort Drum, New York and the 6th Light Infantry Division at Fort Wainwright, Alaska.

2. Construction of 108 spaces for privately owned mobile homes.

3. Conversion of attics in Europe creating 120 new family housing units.

4. Appropriation in the amount of $293,380,000 to completely fund these projects (except for the attic conversions, which will be funded under Post Acquisition Construction).

A summary of the funding program for FY 87 follows:

	Number of Units	Requested Amount ($000)
1. New Family Housing Construction:		
Aberdeen Proving Ground, MD	140	9,700
Fort Drum, NY	1,200	91,000
Kwajalein, Marshall Islands	136	23,000

1. New Family Housing Construction (Cont):		
Fort Ord, CA	385	34,000
Fort Polk, LA	583	37,000
Seneca Army Depot, NY	30	2,900
Fort Wainwright, AK	150	33,000
Crailsheim, FRG	40	4,100
Darmstadt, FRG	40	3,150
Erlangen, FRG	106	9,400
Herzo Base, FRG	34	3,300
Mainz, FRG	20	1,850
Schweinfurt, FRG	90	8,400
Vilseck, FRG	224	21,000
Wildflecken, FRG	24	2,050
Livorno, Italy	90	7,700
Subtotal	3,292	291,550
2. Mobile Home Spaces:		
Aberdeen Proving Ground, MD	70	1,100
Fort Irwin, CA	38	730
Subtotal	108	1,830
TOTAL	3,400	293,380

3. Authorization is also requested to add 120 additional units to the Army Family Housing inventory as the result of attic conversions. The units are to be funded as a part of the Attic Conversions included in the Post Acquisition section of the budget request.

1. COMPONENT ARMY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland	4. COMMAND US Army Materiel Command	5. AREA CONSTR COST INDEX .94

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	713	2,758	8,870	687	1,974	22	0	0	1,326	16,350
b. END FY 19 91	743	2,682	7,034	385	3,590	22	8	90	29	14,583

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	72,518 AC	
b. INVENTORY TOTAL AS OF	30 Sep 85	299,353.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	37,381.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	10,800.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	9,800.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	0.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		357,334.0

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	140	9,700	9/85	TURNKEY
711	Construct Mobile Home Community	70	1,100	5/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in the following program (FY 88): $(000)
711 Family Housing - New Construction, 9,800
136 units

b. Major planned next three years: Zero

10. MISSION OR MAJOR FUNCTIONS:

The Aberdeen Area of Aberdeen Proving Ground serves as the location of the installation headquarters. The focus of major missions undertaken at the installation include basic research, testing and evaluation of ordnance and equipment, and the training of military personnel in supply and maintenance of ordnance and equipment. The Edgewood Area of Aberdeen Proving Ground provides research and development in the chemical, biological and radiological areas.

DD FORM 1 DEC 76 1390

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		14 FEB 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
Aberdeen Proving Ground, Maryland	Family Housing New Construction

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741A	711	347	Auth 9,700 Approp 9,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				7,644
Family Housing Units (140)	SF	165,650	44.16	(7,315)
SOLAR	EA	140	2,350	(329)
Supporting Facilities				1,124
Electric Service	LS	-	-	(281)
Water, Sewer & Gas	LS		-	(184)
Paving, Walks, Curbs & Gutters	LS	-	-	(360)
Storm Drainage	LS	-	-	(75)
Site Improvement	LS	-	-	(145)
Communication	LS	-	-	(79)
Subtotal				8,768
Contingency (5.00%)				438
Total Contract Cost				9,206
Supervision, Inspection & Overhead (5.50%)				506
Total Request				9,712
Total Request (Rounded)				9,700
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construction of 140 two, three, four, and five bedroom dwelling units with carports. Construction will consist of variously configured multi-units and/or single buildings. Dwelling units will be factory-built/manufactured houses and/or conventionally on-site constructed houses. The design will include wood frame construction, brick veneer or stucco and prefinished wood siding. The project will include required utilities service, communications, paving, walks and site improvements. Passive solar assisted heating will be provided. There will be no demolition associated with this project. Government furnished equipment consists of range, refrigerator, garbage disposal, hot water heater, dishwasher, and smoke detector. This project is not sited in a flood plain.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
CGO	2	950	.92	48	16	671
CGO	3	1350	.92	48	23	1,371
CGO	4	1450	.92	48	15	961

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 347

10. DESCRIPTION OF PROPOSED CONSTRUCTION: (Continued)

CGO	5	1550	.92	48	2	136
SNCO	2	950	.92	48	5	209
SNCO	3	1350	.92	48	13	775
SNCO	4	1450	.92	48	3	192
SNCO	5	1550	.92	48	3	205
JNCO	2	950	.92	48	38	1,594
JNCO	3	1200	.92	48	17	900
JNCO	4	1350	.92	48	5	298

11. REQUIREMENT: See DD1523

PROJECT: Construct 140 new units in the Edgewood Area of Aberdeen Proving Ground (APG) to replace inadequate off-post government controlled units.

REQUIREMENT: This project is required to provide adequate, on-post housing in the Edgewood Area of APG.

CURRENT SITUATION: Currently there are 276 government owned substandard enlisted units located off-post in the Edgewood Area of APG. These units offer inadequate living conditions and extremely inconvenience military members and their dependents as no installation support facilities are co-located in this housing area. Currently no adequate government controlled three bedroom units are available in Edgewood Area of APG. The only adequate three bedroom on-post units are available in the Aberdeen Area approximately 5 miles away. There is an increased housing requirement in the Edgewood Area resulting from the relocation of Headquarters 3d Battalion to the Edgewood area.

IMPACT IF NOT PROVIDED: If the project is not provided, the substandard housing conditions will continue to remain a serious problem and many married personnel will be forced to either accept unaccompanied tours or live in substandard conditions. Soldier morale an the overall Army mission will be seriously affected if this situation is not corrected.

DD 1 FORM DEC 76 DD1391C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 713	7.PROJECT NUMBER 348	8.PROJECT COST ($000) Auth 1,100 Approp 1,100

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				194
Mobile Home Spaces	EA	70	2,771	(194)
Supporting Facilities				816
Electric Service	LS	-	-	(180)
Water, Sewer & Gas	LS	-	-	(188)
Paving, Walks, Curbs & Gutters	LS	-	-	(294)
Storm Drainage	LS	-	-	(24)
Site Improvement	LS	-	-	(73)
Communication	LS	-	-	(57)
Subtotal				1,010
Contingency (5.00%)				51
Total Contract Cost				1,061
Supervision, Inspection & Overhead (5.50%)				58
Total Request				1,119
Total Request (Rounded)				1,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct a mobile home community consisting of 70 mobile home spaces. Construct 40 spaces in the Aberdeen Area of Aberdeen Proving Ground and 30 spaces in the Edgewood Area of Aberdeen Proving Ground. Work to include all required utilities, paving, street lighting, communications and site improvements. Carports, storage sheds and central recreation area will be provided. This project is not sited in a flood plain.

11. REQUIREMENT: See DD1523

PROJECT: Construct new mobile home communities in Aberdeen (40 spaces) and Edgewood Area (30 spaces) of Aberdeen Proving Ground (APG). This project will expand by 40 spaces a mobile home community already available at Aberdeen. Additionally, a new mobile home community at Edgewood will be constructed.

REQUIREMENT: This project is required to provide adequate on-post mobile home spaces for military personnel. There are currently 44 mobile home spaces available in the Aberdeen Area and Edgewood Area of APG. These are old, small and in a state of deterioration. The project will upgrade facilities in the Aberdeen Area and bring them up to modern standards while providing some spaces large enough for double wide mobile homes. In the Edgewood Area, the current mobile spaces are unsuitable for either repair or upgrade. Consequently, this project will construct a new mobile home community on post

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 348

11. REQUIREMENT: (Continued)

REQUIREMENT: (Continued)
using modern standards.

CURRENT SITUATION: The existing mobile home communities in the Aberdeen Area and Edgewood Area were constructed in 1953 and 1957 respectively. The existing mobile home spaces in the Aberdeen Area are located on the perimeter of the post and the project will modernize these facilities. The mobile home spaces in the Edgewood Area are located off post and in an undesirable location causing safety and security problems and making it difficult for occupants to utilize community service and support facilities on the installation.

IMPACT IF NOT PROVIDED: If this project is not provided, the current undesirable conditions will continue to perpetuate substandard living which adversely affects the morale of assigned military personnel.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Aberdeen Proving Ground, Maryland

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	666	2016	2682	685	2539	3224
6. LESS: VOLUNTARY SEPARATIONS	45	245	290	49	317	366
7. EFFECTIVE HOUSING REQUIREMENTS	621	1771	2392	636	2222	2858
8. LESS: ADEQUATE HOUSING	568	1632	2200	581	1706	2287
A. UNDER MILITARY CONTROL	216	1067	1283	221	1132	1353
(1) Existing	215	557	772	220	210	430
(2) Under Construction				0	208	208
(3) Approved				0	439	439
(4) Leased	0	0	0	0	0	0
(5) Other	1	510	511	1	275	276
B. PRIVATE HOUSING	352	565	917	360	574	934
(1) Owned Houses	196	136	332	196	192	388
(2) Owned Trailers	0	56	56	0	0	0
(3) Occupied Rental Housing	156	373	529	156	373	529
(4) Vacant Rental Housing				8	9	17
9. EFFECTIVE HOUSING DEFICIT	53	139	192	55	516	571
A. INVOLUNTARILY SEPARATED FAMILIES	18	86	104			
B. SUBSTANDARD HOUSING	9	36	45			
C. EXCESS DISTANCE HOUSING	26	17	43			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	70*	70*
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			34.7	54.1	49.8
	ALL HOUSING			91.4	79.9	82.5

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 70 units vacant at the time the survey was conducted.

Line 10, Proposed Project: 70 Mobile Home Spaces

*Also proposed is a 140 unit construction project that will replace the substandard housing units listed in line 8(a)5. This proposed project composition is:

38 Junior Enlisted	2 bedroom	3 Senior Enlisted	5 bedroom
17 Junior Enlisted	3 bedroom	16 Company Grade Officer	2 bedroom
5 Junior Enlisted	4 bedroom	23 Company Grade Officer	3 bedroom
5 Senior Enlisted	2 bedroom	15 Company Grade Officer	4 bedroom
13 Senior Enlisted	3 bedroom	2 Company Grade Officer	5 bedroom
3 Senior Enlisted	4 bedroom		

1. COMPONENT ARMY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Drum New York	4. COMMAND US Army Forces Command	5. AREA CONSTR COST INDEX 1.18

6. PERSONNEL STRENGTH	PERMANENT			NG & USAR			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	271	1,119	371	383	2809	0	7	77	134	5,171
b. END FY 19 91	1,250	9,395	1,724	383	2809	0	29	231	425	16,246

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	107,265 AC	
b. INVENTORY TOTAL AS OF	30 Sep 85	65,320.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	53,256.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	91,000.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	0.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	0.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		209,576.0

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	1,200	91,000	4/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in the following programs (FY 88): Zero

b. Major planned next three years: Zero

10. MISSION OR MAJOR FUNCTIONS:

Responsible for the command, training, and operation of all units and activities assigned to Fort Drum including the new Light Infantry Division (10,000 soldiers). Prepares, coordinates and implements, as directed, plans to include air raid, domestic emergency, mobilization and local defense. Provides administrative and logistical support to all First Army Installations, units and activities located in the Fort Drum Zone. Provides administrative and logistical support for active Army units conducting unit training, maneuvers and field training exercises at Fort Drum. Provide training facilities and administrative and logistical support for annual training (Army Reserve and National Guard) units amounting to approximately 45,671 soldiers per year.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Drum, New York	4. PROJECT TITLE Family Housing New Construction

5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 168	8. PROJECT COST ($000) Auth 91,000 Approp 91,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				68,828
Family Housing Units (600)	SF	607,225	53.76	(32,644)
Family Housing Units (600)	SF	607,225	53.76	(32,644)
Solar	LS	-	-	(3,540)
Supporting Facilities				13,320
Electric Service	LS	-	-	(1,598)
Water, Sewer & Gas	LS	-	-	(4,529)
Paving, Walks, Curbs & Gutters	LS	-	-	(2,797)
Storm Drainage	LS	-	-	(443)
Site Improvement	LS	-	-	(3,863)
Communication	LS	-	-	(90)
Subtotal				82,148
Contingency (5.00%)				4,107
Total Contract Cost				86,255
Supervision, Inspection & Overhead (5.50%)				4,744
Total Request				90,999
Total Request (Rounded)				91,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct 1,200 two, three, four and five bedroom dwelling units with carports. Construction will consist of variously configured multi-units and/or single buildings. Dwelling units will be factory-built/manufactured houses and/or conventionally on site constructed houses. Design will include wood frame construction, stucco or brick veener and prefinished wood siding. Passive solar features will be provided. Site work includes streets, driveways, street lighting, utility services, walks, and landscaping. Telephone cabling will be provided. Government furnished equipment will consist of range/oven, dishwasher, refrigerator, garbage disposal, hot water heater and smoke detector. Occupant controlled heating systems. Air-conditioning is not authorized. Facilities are not sited in a flood plain nor do they encroach upon wetlands.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Drum, New York		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 168

10. DESCRIPTION OF PROPOSED CONSTRUCTION: (Continued)

GRADE	NO. BEDROOM	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SGO	4	1700	1.12	48	5	457
FGO	5	1550	1.12	48	1	83
FGO	3	1400	1.12	48	28	2,107
CGO	5	1550	1.12	48	5	416
CGO	2	950	1.12	48	100	5,107
SNCO	5	1550	1.12	48	16	1,333
SNCO	3	1350	1.12	48	65	4,717
SNCO	2	950	1.12	48	43	2,196
NCO	5	1550	1.12	48	4	333
NCO	3	1200	1.12	48	66	4,258
NCO	2	950	1.12	48	867	44,279

11. REQUIREMENT: See DD1523

PROJECT: Construct 1,200 family housing units to support stationing of the 10th Infantry Division at Fort Drum, New York.

REQUIREMENT: Fort Drum is located approximately 90 miles north of Syracuse, NY, 17 miles east of Lake Ontario, and 22 miles southwest of the St. Lawrence Seaway. Watertown is the nearest town and is located approximately 10 miles southwest of the Fort. The local climate is characterized by temperate summers and cold winters. The installation's military population is projected to be approximately 11,000 soldiers with 5,500 families eligible for government quarters. This increase in population over the next five years began in FY 85, and continues through the end of FY 90 when all the support facilities are scheduled to be completed. The local economy has been severely depressed for a number of years holding down housing starts and consequently the availability of off-post housing is limited.

CURRENT SITUATION: All on-post government housing and rental units on the economy are being utilized. A Section 801 project has been awarded for 1,400 units. Additionally, the FY 86 program contains construction of 800 on-post units and authority for another 300 Section 801. Even with these projects, coupled with an increase in economy housing, a shortage of over 2,100 units is projected. Execution of the currently planned Section 801 off-post projects is placing a burden on the current infrastructure of the local economy. This government construction program will provide the necessary balance between government on post facilities and privately provided facilities.

IMPACT IF NOT PROVIDED: If this project is not provided, additional on-post housing will not be available

PAGE NO.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Drum, New York		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 168

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: (Continued)

to accommodate the stationing of the 10th Infantry Division at Fort Drum. Th e little housing which may be made available off-post would be in extremely high demand thus driving up rental costs and causing undue hardships on those soldier assigned to Fort Drum.

1. DATE 14 FEB 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION
Fort Drum, New York

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	59	447	506	951	4583	5534
6. LESS: VOLUNTARY SEPARATIONS	1	38	39	16	201	217
7. EFFECTIVE HOUSING REQUIREMENTS	58	409	467	935	4382	5317
8. LESS: ADEQUATE HOUSING	55	379	434	523	2655	3178
A. UNDER MILITARY CONTROL	44	306	350	510	2340	2850
(1) Existing	44	306	350	44	306	350
(2) Under Construction				0	0	0
(3) Approved				250	550	800
(4) Leased	0	0	0	156	1244	1400
(5) Other FY 86 Section 801	0	0	0	60	240	300
B. PRIVATE HOUSING	11	73	84	13	315	328
(1) Owned Houses	8	6	14	8	9	17
(2) Owned Trailers	0	3	3	0	0	0
(3) Occupied Rental Housing	3	64	67	3	64	67
(4) Vacant Rental Housing				2	242	244
9. EFFECTIVE HOUSING DEFICIT	3	30	33	412	1727	2139
A. INVOLUNTARILY SEPARATED FAMILIES	2	11	13			
B. SUBSTANDARD HOUSING	1	18	19			
C. EXCESS DISTANCE HOUSING	0	1	1			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				139	1061	1200
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			69.4	77.6	76.2
	ALL HOUSING			70.8	84.8	82.3

12. COMMENTS ON SPECIFIED ITEMS

Line 10 Proposed Project:

5	Senior Officer	4 bedroom units
1	Field Grade	5 bedroom units
28	Field Grade	3 bedroom units
5	Company Grade	5 bedroom units
100	Company Grade	2 bedroom units
16	Senior Enlisted	5 bedroom units
65	Senior Enlisted	3 bedroom units
43	Senior Enlisted	2 bedroom units
4	Junior Enlisted	5 bedroom units
66	Junior Enlisted	3 bedroom units
867	Junior Enlisted	2 bedroom units

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Kwajalein Missile Range Marshall Islands	4. COMMAND US Army Strategic Defense Command	5. AREA CONSTR COST INDEX 2.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	0	0	0	0	0	0	0	0	0	0
b. END FY 19 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 0		
b. INVENTORY TOTAL AS OF	30 Sep 85	0.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	0.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	23,000.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	23,000.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	24,000.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		70,000.0

8. PROJECTS REQUESTED IN THIS PROGRAM.

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	136	23,000	7/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in the following program (FY 88): $(000)
711 Family Housing - New Construction, 128 units 23,000

b. Major planned next three years:
711 Family Housing - New Construction, 128 units 24,000

10. MISSION OR MAJOR FUNCTIONS:

Provides facilities and direct support of the Kwajalein Missile Range in its mission as a Major Range and Test Facility activity. Supports the Army's expanding role relative to the Strategic Defense Initiative program and other range user's programs.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Kwajalein Various, Kwajalein	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 711	7.PROJECT NUMBER 243	8.PROJECT COST ($000) Auth 23,000 Approp 23,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				17,650
Family Housing Units (136)	SF	175,100	100.80	(17,650)
Supporting Facilities				2,800
Electric Service	LS	-	-	(560)
Water, Sewer & Gas	LS	-	-	(616)
Paving, Walks, Curbs & Gutters	LS	-	-	(532)
Storm Drainage	LS	-	-	(140)
Site Improvement	LS	-	-	(924)
Communication	LS	-	-	(28)
Subtotal				20,450
Contingency (5.00%)				1,023
Total Contract Cost				21,473
Supervision, Inspection & Overhead (5.50%)				1,181
Total Request				22,654
Total Request (Rounded)				23,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Dwellings will be manufactured/factory-built, two-story, two-three bedrooms units with carports. Central air-conditioning with waste heat recovery for installed domestic water heater systems will be provided. Project to include concrete slab foundation with interior/exterior construction materials designed to withstand the corrosive salt-laden atmosphere at the KMR. Site work includes demolition, grading, storm drainage, paving, walkways, landscaping, street lights, sewage interconnections, utilities, and communications. Government furnished equipment will consist of range, refrigerator, washer, dryer, garbage disposal, dishwasher and smoke detector. Not sited in a flood plain.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
FGO	3	1400	2.10	48	102	12,560
SNCO	2	950	2.10	48	34	2,873

11. REQUIREMENT: See DD1523

PROJECT: Construction of 136 family housing units at Kwajalein Missile

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Kwajalein Various, Kwajalein		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 243

11. REQUIREMENT: (Continued)

PROJECT: (Continued)

Range for equivalent graded civilian personnel working at this test site.

REQUIREMENT: New units are required to replace inadequate trailer units with permanent family housing facilities.

CURRENT SITUATION: This project is in direct support of the Kwajalein Missile Range (KMR) in its mission as a Major Range and Test Facility. The KMR is located approximately 2,100 miles SW of the Hawaiian Islands and in an isolated area where off-post family housing is not available. The current population of the KMR is approximately 2,600, the majority of whom are civilian contract personnel and their families. Current family housing needs are met through a combination of family housing units built in the mid-1950's and mobile home units obtained in 1962 and 1968. Mobile home units have three small bedrooms with a gross living area of only 660 square feet. Maintenance and repair costs for these mobile hom units are rapidly increasing due to their age and the corrosive salt-laden atmosphere of the island. These units are classified as substandard family quarters. Adequate family housing is needed if the KMR is to recruit and retain highly trained technicians, engineers, and scientists to operate and maintain th latest state-of-the-art RDTE equipment. The capital investment at the KMR is over $500M and consists of a variety of sophisticated, high-cost electronic, radar, data processing, telemetry, ballistic camera equipment, and support facilities. The planned increase of technical personnel and their families in support of the Army's role in the Strategic Defense Initiative Program further amplifies the need for adequate family housing. This project includes the demolition of the current mobile homes and replacement with 136 permanent family housing units.

IMPACT IF NOT PROVIDED: If this project is not provided, KMR will not be able to recruit and retain the highly trained scientific and engineering personnel required to support this vitally important expanded Defense mission.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 Feb 86	1987	MILITARY FAMILY HOUSING JUSTIFICATION	ARMY

4. INSTALLATION AND LOCATION

KWAJALEIN MISSILE RANGE

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	1393	186	1579	1608	215	1823
6. LESS: VOLUNTARY SEPARATIONS	882	136	1018	994	154	1148
7. EFFECTIVE HOUSING REQUIREMENTS	511	50	561	614	61	675
8. LESS: ADEQUATE HOUSING	273	16	289	273	16	289
A. UNDER MILITARY CONTROL	273	16	289	273	16	289
(1) Existing	273	16	289	273	16	289
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	0	0	0	0	0	0
(1) Owned Houses	0	0	0	0	0	0
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	0	0	0	0	0	0
(4) Vacant Rental Housing				0	0	0
9. EFFECTIVE HOUSING DEFICIT	238	34	272	341	45	386
A. INVOLUNTARILY SEPARATED FAMILIES	0	0	0			
B. SUBSTANDARD HOUSING	238	34	272			
C. EXCESS DISTANCE HOUSING	0	0	0			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				102	34	136
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			61.1	82.0	63.0
	ALL HOUSING			61.1	82.0	63.0

12. COMMENTS ON SPECIFIED ITEMS

Line 5, columns a to f contains civilians at their military equivalent grade.

Line 9b: There are 272 trailers which are classified substandard due to age, structural condition, and rapid deterioration due corrosive salt-laden atmosphere of the atoll.

Line 10 Proposed Project:

102 Field Grade Officer	3 bedroom units
34 Senior Enlisted	2 bedroom units

DD FORM 1 DEC 78 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. COMPONENT		2. DATE
ARMY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	14 Feb 86

3. INSTALLATION AND LOCATION	4. COMMAND	5. AREA CONSTR COST INDEX
Fort Irwin California	US Army Forces Command	1.20

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	521	3,172	662	0	0	0	0	0	0	4,355
b. END FY 19 91	481	3,362	464	0	0	0	10	17	166	4,500

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 636,457		
b. INVENTORY TOTAL AS OF	30 Sep 85	68,719.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	0.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	730.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	0.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	0.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		69,449.0

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Construct Mobile Home Community	38	730	9/85	12/85

9. FUTURE PROJECTS:

a. Included in the following program (FY 88) Zero

b. Major planned next three years: Zero

10. MISSION OR MAJOR FUNCTIONS:

Provide tough, realistic combined arms field training at Battalion task force level using live fire exercises and opposing forces in realistic scenarios, also provides a data source for training, doctrine and systems improvement, supports assigned, attached, tenant and training units; community support for dependents, authorized civilians and retirees.

DD FORM 1 DEC 76 1390 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Irwin, California	4. PROJECT TITLE Family Housing New Construction

5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 713	7. PROJECT NUMBER 220	8. PROJECT COST ($000) Auth 730 Approp 730

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				13
Mobile Home Spaces	EA	38	342	(13)
Supporting Facilities				643
Electric Service	LS	-	-	(163)
Water, Sewer & Gas	LS	-	-	(222)
Paving, Walks, Curbs & Gutters	LS	-	-	(183)
Site Improvement	LS	-	-	(75)
Subtotal				656
Contingency (5.00%)				33
Total Contract Cost				689
Supervision, Inspection & Overhead (5.50%)				38
Total Request				727
Total Request (Rounded)				730
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct mobile home community consisting of 38 mobile home spaces. The support facilities include site grading, drainage, access road construction, underground utilities, patios, carports, storage sheds, and central recreation area. Utilities provide water, LP gas, sewerage, electric service, fire protection, and street lighting.

11. REQUIREMENT: See DD1523

PROJECT: Construct a 38 space mobile home community at Fort Irwin.

REQUIREMENT: Project is required to support assigned military personnel at the National Training Center. There are 24 families on the waiting list for mobile home spaces despite a waiting time that exceeds eleven months. Moreover, indications are that additional military families would be willing to invest in the purchase of a mobile home if on-post parking facilities were available. The additional mobile home spaces will provide on-post housing for enlisted personnel to better associate them with the Army community and relieve domestic stress impacting unfavorably on Army retention rates. Much of this stress is due to the remote location of Fort Irwin with respect to acceptable residential communities.

CURRENT SITUATION: Families residing off-post are required to live in the Barstow area or beyond. The drive is 37 miles through a desolate area

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Irwin, California		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 220

11. REQUIREMENT: (Continued)
CURRENT SITUATION: (Continued)
providing an extreme hardship to those families residing off-post in terms of availing themselves to Army service and facilities. The long drive is quite expensive in terms of transportation costs. All of these factors impact negatively on family life and soldier retention.

IMPACT IF NOT PROVIDED: If this project is not provided, families owning mobile homes will continue to reside in Barstow and face the long commute to post. This condition impairs access to post facilities and constitutes an extreme hardship to those who must live off-post outside the Army community. Those most seriously affected are junior enlisted soldiers, and accordingly, housing conditions will have a notable impact on future soldier retention.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Fort Irwin, California

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	364	1743	2107	349	1220	1569
6. LESS: VOLUNTARY SEPARATIONS	27	216	243	26	151	177
7. EFFECTIVE HOUSING REQUIREMENTS	337	1527	1864	323	1069	1392
8. LESS: ADEQUATE HOUSING	185	927	1112	236	1042	1278
A. UNDER MILITARY CONTROL	143	799	942	192	912	1104
(1) Existing	143	799	942	145	815	960
(2) Under Construction				47	97	144
(3) Approved				0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	42	128	170	44	130	174
(1) Owned Houses	13	12	25	24	35	59
(2) Owned Trailers	11	23	34	0	0	0
(3) Occupied Rental Housing	18	93	111	18	93	111
(4) Vacant Rental Housing				2	2	4
9. EFFECTIVE HOUSING DEFICIT	152	600	752	87	27	114
A. INVOLUNTARILY SEPARATED FAMILIES	7	87	94			
B. SUBSTANDARD HOUSING	17	27	44			
C. EXCESS DISTANCE HOUSING	128	486	614			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				11	27	38
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			62.8	87.8	82.0
	ALL HOUSING			76.5	100.0	94.5

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 18 units vacant at the time the survey was conducted.

Line 10 Proposed Project:
38 Mobile Home Spaces

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Fort Ord California	4. COMMAND US Army Forces Command	5. AREA CONSTR COST INDEX 1.24

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	2,179	15,251	1,870	0	9	0	183	1360	1323	22,175
b. END FY 19 91	1,843	14,728	2,571	53	369	0	81	165	293	20,103

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 28,042		
b. INVENTORY TOTAL AS OF	30 Sep 85	335,133.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	38,040.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	34,000.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	19,500.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	0.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		426,673.0

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	385	34,000	9/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in the following program (FY 88):	$(000)
711 Family Housing - New Construction, 211 units	19,500

b. Major planned next three years: Zero

10. MISSION OR MAJOR FUNCTIONS:

Support and training of an Infantry Division (Light), Silas B. Hays Army Community Hospital, and nondivisional units. Support for tenant, satellite, and reserve components activities.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Fort Ord, California	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 711	7.PROJECT NUMBER 392	8.PROJECT COST ($000) Auth 34,000 Approp 34,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				24,442
Family Housing Units (385)	SF	397,000	58.56	(23,248)
Solar Heating Plant	EA	385	3,101	(1,194)
Supporting Facilities				6,248
Electric Service	LS	-	-	(707)
Water, Sewer & Gas	LS	-	-	(1,727)
Paving, Walks, Curbs & Gutters	LS	-	-	(795)
Storm Drainage	LS	-	-	(483)
Site Improvement	LS	-	-	(2,136)
Communication	LS	-	-	(400)
Subtotal				30,690
Contingency (5.00%)				1,535
Total Contract Cost				32,225
Supervision, Inspection & Overhead (5.50%)				1,772
Total Request				33,997
Total Request (Rounded)				34,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct 385 two and three-bedroom dwelling units with carports. Construction will consist of variously configured, multi-units and/or single buildings. Dwelling units will be factory-built /manufactured houses and/or conventionally on-site constructed houses. Individual forced-air heating, underground utilities, street lighting roads, walks, drainage, landscaping, clearing and grading will be provided. Passive solar assisted heating and telephone cabling will be provided. Government-furnished equipment will consist of ranges, water heaters, refrigerators, garbage disposals, dishwashers, and smoke detectors.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
CGO	2	950	1.22	48	85	4,729
JNCO	3	1200	1.22	48	125	8,784
JNCO	2	950	1.22	48	175	9,735

11. REQUIREMENT: See DD1523

PROJECT: Construction of 300 units of Junior Enlisted and 85 units of Junior Officer family housing, including supporting roads, utilities, walks,

DD FORM 1 DEC 76 DD1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO. 793

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Ord, California		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 392

11. REQUIREMENT: (Continued)
PROJECT: (Continued)
parking areas, and landscaping.

REQUIREMENT: Enlisted personnel with family members face an acute shortage of available housing off the installation. The local community has restricted apartment construction. Rental rates for the small number of units available and purchase costs for private housing are extremely high and generally in excess of what our soldiers (i.e., lower than the rank of Senior NCO) can afford. Military personnel are compelled to rent substandard, deteriorated apartments and houses in neighboring communities because of the long waiting list for Government famil housing.

CURRENT SITUATION: Fort Ord is located in Monterey County, California between the communities of Seaside and Marina, overlooking the Pacific Ocean. While the economy is primarily agricultural, the military community and tourism have a significant role. A critical shortage of adequate affordable economy housing exists for all segments of the population, especially for enlisted personnel. Military familie compete with civilians in an area where the per capita income is 123 percent of the nation's and the off-post vacancy rate of approximately 1.5 percent. The local Monterey area governments support the military as much as possible; howev- er, the high demands and severe competition make most units unaffordable for the average soldier. Off-post new construction of rental units is severely limited due to the high cost and availability of land. Lack of water and sewage facilities also limits the number of units of off-post construction. The local housing market is so "tight" that area governments have endorsed a policy supporting on-post construction of military housing. Almost 2,500 families are on the waiting list for government quarters with an average wait of 5 to 12 months. The proposed construction of 385 units partially alleviates Fort Ord's long term housing shortages.

IMPACT IF NOT PROVIDED: Failure to provide this critically needed housing will adversely affect morale o assigned military personnel and impact on the readiness of the units stationed a Fort Ord. Enlisted personnel with family members will be compelled to remain in or find housing in the civilian community at high rents and often with minimal conveniencies. Junior enlisted families will continue to wait five to seven months before Government quarters become available.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. DATE	2. FISCAL YEAR	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT
14 Feb 86	1987		ARMY

4. INSTALLATION AND LOCATION
Fort Ord, California

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	1571	8933	10504	1756	8538	10294
6. LESS: VOLUNTARY SEPARATIONS	80	867	947	91	854	945
7. EFFECTIVE HOUSING REQUIREMENTS	1491	8066	9557	1665	7684	9349
8. LESS: ADEQUATE HOUSING	1363	6461	7824	1393	7361	8754
A. UNDER MILITARY CONTROL	749	3833	4582	764	4477	5241
(1) Existing	749	3034	3783	764	3071	3835
(2) Under Construction				0	0	0
(3) Approved				0	600	600
(4) Leased	0	0	0	0	0	0
(5) Other	0	799	799	0	806	806
B. PRIVATE HOUSING	614	2628	3242	629	2884	3513
(1) Owned Houses	253	238	491	257	281	538
(2) Owned Trailers	4	43	47	0	0	0
(3) Occupied Rental Housing	357	2347	2704	357	2347	2704
(4) Vacant Rental Housing				15	256	271
9. EFFECTIVE HOUSING DEFICIT	128	1605	1733	272	323	595
A. INVOLUNTARILY SEPARATED FAMILIES	30	501	531			
B. SUBSTANDARD HOUSING	80	1001	1081			
C. EXCESS DISTANCE HOUSING	18	103	121			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				85	300	385
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			51.0	62.2	60.2
	ALL HOUSING			88.8	99.7	97.8

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 59 units vacant at the time the survey was conducted.

Line 10 Proposed Project:

85	Company Grade Officer	2 bedroom units
175	Junior Enlisted	2 bedroom units
125	Junior Enlisted	3 bedroom units

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Polk Louisiana	4. COMMAND US Army Forces Command	5. AREA CONSTR COST INDEX .94

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	1,307	13,274	2,631	0	0	0	9	46	2271	19,538
b. END FY 19 91	1,538	13,178	2,549	108	0	0	12	0	1662	19,047

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	198,375 AC	
b. INVENTORY TOTAL AS OF	30 Sep 85	533,140.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	12,625.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	37,000.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	19,000.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	103,000.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		704,765.0

8. PROJECTS REQUESTED IN THIS PROGRAM.

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	583	37,000	9/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in the following program (FY 88): $(000)
711 Family Housing - New Construction, 283 units 19,000

b. Major planned next three years:
711 Family Housing - New Construction, 1,431 units 103,000

10. MISSION OR MAJOR FUNCTIONS:

The primary mission is to support a Combat Mechanized Infantry Division under the purview of US Army Forces Command. Training and development of tactical forces for active and reserve components as well as for National Guard are included.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Fort Polk, Louisiana	4. PROJECT TITLE Family Housing New Construction

5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 1573	8. PROJECT COST ($000) Auth 37,000 Approp 37,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				25,821
Family Housing Units (583)	SF	578,850	42.24	(24,451)
Solar	FA	583	2,350	(1,370)
Supporting Facilities				7,580
Electric Service	LS	-	-	(1,592)
Water, Sewer & Gas	LS	-	-	(1,440)
Paving, Walks, Curbs & Gutters	LS	-	-	(1,137)
Storm Drainage	LS	-	-	(303)
Site Improvement	LS	-	-	(2,198)
Off-Site Utilities Cost	LS	-	-	(910)
Subtotal				33,401
Contingency (5.00%)				1,670
Total Contract Cost				35,071
Supervision, Inspection & Overhead (5.50%)				1,929
Total Request				37,000
Total Request (Rounded)				37,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct 583 two and three bedroom dwelling units with carports. Construction will consist of variously configured multi-units and/or single buildings. Dwelling units will be factory-built/manufactured houses and/or conventionally on-site contructed houses. The design will include woodframe construction, brick veneer or stucco and prefinished wood siding. Warm air heating and air conditioning will be provided. Site work includes grading, paving, walks, landscaping, storm drainage, street lighting and all utilities including telephone cabling. Passive solar assisted heating will be provided. Government furnished equipment consists of range, refrigerator, garbage disposal, water heater, dishwasher and smoke detector.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
CGO	2	950	0.89	48	40	1,605
JNCO	3	1200	0.89	48	100	5,069
JNCO	2	950	0.89	48	443	17,777

11. REQUIREMENT: See DD1523

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Polk, Louisiana		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 1573

11. REQUIREMENT: (Continued)

PROJECT: Construct 543 junior enlisted and 40 company grade officer family housing units at Fort Polk, Louisiana.

REQUIREMENT: This project provides critically needed additional government controlled housing to reduce an acute shortage of adequate assets. Additional assets provided by this project support current and future family housing requirements.

CURRENT SITUATION: Fort Polk is located in the Kisatchie National Forest area, approximately eight miles SE of Leesville, LA, twenty miles north of DeRidder, LA, and three miles east of US Highway 171. The population of Leesville exceeds 20,000 with a count population of 58,220. DeRidder's population approximates 15,000 with a county population of 32,500. Adequate economy housing is extremely limited, and the housing available to military families consists primarily of older housing which is unsuitable due to the poor state of maintenance, antiquated utilities systems and unacceptable environmental factors. Rental mobile homes are located for the most part in parks that are environmentally unsatisfactory due to inadequate fir and police protection, unsafe water and sanitary sewage systems, unpaved streets and overall general deterioration. A concerted effort was made to stimulate local interest on the part of realtors, builders, and entrepreneurs to construct rental housing to satisfy the housing needs. Most local groups with investment capital stated there are more profitable investments at this time. The only feasible means available for satisfying the large family housing deficit of 2,939 units is by government acquisition.

IMPACT IF NOT PROVIDED: If this housing is not provided, soldiers will continue to compete for limited adequate housing in surrounding communities with many families opting for involuntary separations or residing in substandard housing. These conditions contribute to reduced morale and lessen the ability of the 5th Infantry Division to complete its assigned missions.

ADDITIONAL:

The following is a summary of items investigated to support the economics of new permanent family housing at Fort Polk:

OBJECTIVE: Provide dwelling units to house active duty military and their dependents within a twenty five mile radius of Fort Polk, Louisiana.

ALTERNATIVES:

a. Construct new permanent on-post Family Housing for 666 Junior enlisted and 60 Company grade officers.

b. Provide housing by way of lease/rental of privately owned dwelling units in the local civilian communities.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Fort Polk, Louisiana		
4. PROJECT TITLE Family Housing New Construction		5. PROJECT NUMBER 1573

11. REQUIREMENT: (Continued)
ADDITIONAL: (Continued)

c. Provide political stimulus to the local builder/realtor association to encourage the development of single and multi unit family housing.

d. Status Quo. (Do nothing)

SUMMARY:

Analyzing the stated alternatives involves varying costs and varying benefits. (unequal). Lease/rental housing is virtually nonexistent in the surrounding civilian communities. Of that which is available, the majority is considered substandard with major deficiencies in fire protection and police protection which does not exist in most areas. Local builder and realtor activities in constructing new housing or in renovating older dwelling units is at a standstill due to prevailing economic conditions. The number of installation closures in the past fifteen years has left an air of uncertainty in the minds of the builder/realtor and investors. Without major political stimulus in the form of Federally sponsored Housing funds or equivalent funding efforts the chances of encouraging local interests in building new housing is slim to none.

The base line for considering new family housing on Fort Polk proper is Quality of Life for the soldier and his family.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Fort Polk, Louisiana

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	1043	7382	8425	1301	8287	9588
6. LESS: VOLUNTARY SEPARATIONS	47	1139	1186	59	1278	1337
7. EFFECTIVE HOUSING REQUIREMENTS	996	6243	7239	1242	7009	8251
8. LESS: ADEQUATE HOUSING	849	3780	4629	935	4677	5612
A. UNDER MILITARY CONTROL	301	2569	2870	327	3346	3673
(1) Existing	301	2569	2870	227	2646	2873
(2) Under Construction	▨	▨	▨	0	200	200
(3) Approved	▨	▨	▨	0	0	0
(4) Leased	0	0	0	50	250	300
(5) Other FY86 - 801	0	0	0	50	250	300
B. PRIVATE HOUSING	548	1211	1759	608	1331	1939
(1) Owned Houses	358	256	614	399	559	958
(2) Owned Trailers	41	303	344	0	0	0
(3) Occupied Rental Housing	149	652	801	149	652	801
(4) Vacant Rental Housing	▨	▨	▨	60	120	180
9. EFFECTIVE HOUSING DEFICIT	147	2463	2610	307	2332	2639
A. INVOLUNTARILY SEPARATED FAMILIES	17	713	730	▨	▨	▨
B. SUBSTANDARD HOUSING	123	1633	1756	▨	▨	▨
C. EXCESS DISTANCE HOUSING	7	117	124	▨	▨	▨
D. EXCESS COST HOUSING	0	0	0	▨	▨	▨
10. PROPOSED PROJECT	▨	▨	▨	40	543	583
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			29.6	55.5	51.6
	ALL HOUSING			78.5	73.9	75.1

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 3 units vacant at the time the survey was conducted.

Line 10 Proposed Project:

40	Company Grade Officer	2 bedroom units
100	Junior Enlisted	3 bedroom units
443	Junior Enlisted	2 bedroom units

1. COMPONENT ARMY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Seneca Army Depot New York	4. COMMAND US Army Materiel Command	5. AREA CONSTR COST INDEX 1.15

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	39	458	995	0	0	0	34	74	84	1,684
b. END FY 19 91	39	458	877	0	0	0	34	74	84	1,566

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE	10,670AC	
b. INVENTORY TOTAL AS OF	30 Sep 85	67,007.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	0.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	2,900.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	0.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	0.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		69,907.0

8. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	30	2,900	7/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in the following program (FY 88): Zero

b. Major planned next three years: Zero

10. MISSION OR MAJOR FUNCTIONS:

Receipt, storage, and issue of ammunition and general supplies for the Army and general supplies for Defense Supply Agency. Receives and stores strategic and critical materials for General Services Administration. Performs depot maintenance demilitarization on ammunition. Performs activities of receipt, initial acceptance inspection, property accounting, storage inspection, maintenance and issue of all fire control test and measuring equipment.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Seneca Army Depot, New York	4. PROJECT TITLE Family Housing New Construction

5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 91	8. PROJECT COST ($000) Auth 2,900 Approp 2,900

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,182
Family Housing Units (30 EA)	SF	37,000	56.65	(2,096)
SOLAR	EA	30	2,875	(86)
Supporting Facilities				420
Electric Service	LS	-	-	(82)
Water, Sewer & Gas	LS	-	-	(90)
Paving, Walks, Curbs & Gutters	LS	-	-	(78)
Storm Drainage	LS	-	-	(20)
Site Improvement	LS	-	-	(135)
Communication	LS	-	-	(15)
Subtotal				2,602
Contingency (5.00%)				130
Total Contract Cost				2,732
Supervision, Inspection & Overhead (5.50%)				150
Total Request				2,882
Total Request (Rounded)				2,900
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Construct 30 two and four bedroom dwelling units with carports. Construction will consist of variously configured multi-units and/or single buildings. Dwelling units will be factory-built/ manufactured houses and/or conventionally on site constructed houses. The design will include woodframe construction, brick veneer or stucco, and prefinished wood siding. Work to include new water lines, storm and sanitary sewers, electric service, communications, new asphalt roadway with combination gutters and curbs, new sidewalks with lighting. Heat will be provided by the most economic means available. Electricity, water and fuel supplied to the complex to be metered. Passive solar assisted heating will be provided. Government furnished equipment consists of range, refrigerator, garbage disposal, hot water heater, dishwasher, and smoke detector.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SNCO	4	1450	1.18	48	17	1,396
JNCO	2	950	1.18	48	13	700

11. REQUIREMENT: See DD1523

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION Seneca Army Depot, New York		
4. PROJECT TITLE Family Housing New Construction		5. PROJECT NUMBER 91

11. REQUIREMENT: (Continued)

PROJECT: Provides 30 family housing units for officer and enlisted personnel at Seneca Army Depot.

REQUIREMENT: The FY 85 family housing survey projects a need for an additional 30 family housing units due to the limited availability of adequate housing in the local community.

CURRENT SITUATION: Local community leaders in the Seneca area indicate that the housing market cannot support all military family requirements. Competition for existing adequate rentals is keen due to the transient university population and industrial complex population. Additionally, Seneca is located in a summer and winter recreational area making recreational rentals more advantageous to entrepreneurs. During winter months, the severe weather significantly affects commuting. Currently, there are 16 families living in unsuitable housing and another 10 are separated from their military spouses due to the nonavailability of adequate housing in the area. Seneca Army Depot programed above 90 percent to provide adequate housing since the community has not responded with additional affordable, non-resort type housing. The private economy provides approximately 40 percent of the adequate housing, however, there is little construction ongoing for permanent, full-time rental housing in light of the requirement for vacation type units. This small project will permit all military personnel in the area to receive adequate housing.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will be required to reside in inadequate housing. The lack of adequate family housing will remain a serious problem and married personnel will be forced to either accept unaccompanied tour or live in substandard conditions. Soldier morale and overall Army mission will be seriously affected if this situation is not corrected.

1. DATE 14 Feb 86
2. FISCAL YEAR 1987

MILITARY FAMILY HOUSING JUSTIFICATION

3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Seneca Army Depot, Romulus, NY

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	61	264	325	65	265	330
6. LESS: VOLUNTARY SEPARATIONS	2	35	37	2	35	37
7. EFFECTIVE HOUSING REQUIREMENTS	59	229	288	63	230	293
8. LESS: ADEQUATE HOUSING	55	206	261	58	205	263
A. UNDER MILITARY CONTROL	41	108	149	44	106	150
(1) Existing	41	108	149	44	106	150
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	14	98	112	14	99	113
(1) Owned Houses	6	4	10	7	6	13
(2) Owned Trailers	1	2	3	0	0	0
(3) Occupied Rental Housing	7	92	99	7	92	99
(4) Vacant Rental Housing				0	1	1
9. EFFECTIVE HOUSING DEFICIT	4	23	27	5	25	30
A. INVOLUNTARILY SEPARATED FAMILIES	1	9	10			
B. SUBSTANDARD HOUSING	3	13	16			
C. EXCESS DISTANCE HOUSING	0	1	1			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				5	25	30
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			77.8	57.0	61.4
	ALL HOUSING			100.0	100.0	100.0

12. COMMENTS ON SPECIFIED ITEMS

Line 8a column c: Does not include 1 unit vacant at the time the survey was conducted.

Line 10 Proposed Project:

5 Company Grade 2 bedroom units
15 Senior Enlisted 4 bedroom units
10 Junior Enlisted 2 bedroom units

1. COMPONENT ARMY	FY 19 87 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Fort Wainwright Alaska	4. COMMAND US Army Forces Command	5. AREA CONSTR COST INDEX 2.13

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	236	1,890	462	45	855	0	88	285	115	3,976
b. END FY 19 91	644	4,440	950	101	979	30	0	10	327	7,481

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 656,250		
b. INVENTORY TOTAL AS OF	30 Sep 85	36,802.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	0.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	33,000.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	0.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	0.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		69,802.0

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	150	33,000	5/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in the following program (FY 88): Zero

b. Major planned next three year: Zero

10. MISSION OR FUNCTIONS:

The mission is the defense of Alaska, including the initial defense of the Aleutian Islands.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Fort Wainwright, Alaska	4.PROJECT TITLE Family Housing New Construction	

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 711	7.PROJECT NUMBER 191	8.PROJECT COST ($000) Auth 33,000 Approp 33,000

9.COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				21,479
Family Housing Units (150 EA)	SF	219,350	97.92	(21,479)
Supporting Facilities				8,000
Electric Service	LS	-	-	(485)
Water, Sewer & Gas	LS	-	-	(1,820)
Steam, Chilled Water & Heat Distribution	LS	-	-	(1,739)
Paving, Walks, Curbs & Gutters	LS	-	-	(648)
Storm Drainage	LS	-	-	(75)
Site Improvement	LS	-	-	(180)
Communication	LS	-	-	(75)
MAIN UTILIDORS	LS	-	-	(2,978)
Subtotal				29,479
Contingency (5.00%)				1,474
Total Contract Cost				30,953
Supervision, Inspection & Overhead (5.50%)				1,702
Total Request				32,655
Total Request (Rounded)				33,000
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Construct 150 three, four, and five-bedroom dwelling units with garages. Construction will consist of variously configured multi-units and/or single buildings. Dwelling units will be factory-built/manufactured houses, and/or conventionally on-site constructed houses. The design will include woodframe construction, brick veneer or stucco, and prefinished wood siding. This project will not be located in a flood plain nor will it encroach upon a wetland. Utility connections will be provided via an underground utilidor. Steam and hot water will serve the proposed facilities. Roads, walks, curbs, gutters, storm drainage, parking areas and site improvements will be provided. Government furnished equipment consists of range, refrigerator, garbage disposal, dishwasher, washer, dryer, and smoke detector.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SGO	4	1700	2.04	48	8	1,332
FGO	4	1550	2.04	48	35	5,312
FGO	3	1400	2.04	48	45	6,169

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Fort Wainwright, Alaska

4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 191

10. DESCRIPTION OF PROPOSED CONSTRUCTION: (Continued)

CGO	5	1550	2.04	48	8	1,214
CGO	4	1450	2.04	48	22	3,124
CGO	3	1350	2.04	48	22	2,908
SNCO	4	1450	2.04	48	10	1,420

11. REQUIREMENT: See DD1523

PROJECT: Construct 150 family housing units for essential officers, senior NCO's and civilian personnel at Fort Wainwright, Alaska.

REQUIREMENT: This project is required to provide adequate on-post quarters for key and essential military personnel (i.e., those required by the mission to reside on post). Current housing units are unable to accommodate key and essential personnel assigned to the Light Infantry Division (LID).

CURRENT SITUATION: With the activation of the 6th Infantry Division (Light), Fort Wainwright will experience an acute housing shortage. Adequate military preparedness requires key and essential military personnel assigned to the 6th ID to occupy on-post quarters.

IMPACT IF NOT PROVIDED: No existing facilities are available to accommodate the troop increase. Housing key and essential military personnel off-post would seriously impair the militar readiness of Fort Wainwright. Off-post quartering is not considered a viable option for these personnel.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Fort Wainwright, Alaska

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	314	1511	1825	613	3378	3991
6. LESS: VOLUNTARY SEPARATIONS	8	73	81	16	162	178
7. EFFECTIVE HOUSING REQUIREMENTS	306	1438	1744	597	3216	3813
8. LESS: ADEQUATE HOUSING	255	1345	1600	429	2021	2450
A. UNDER MILITARY CONTROL	213	959	1172	341	1477	1818
(1) Existing	213	959	1172	242	1176	1418
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	0	0	0	99	301	400
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	42	386	428	88	544	632
(1) Owned Houses	25	52	77	25	62	87
(2) Owned Trailers	0	10	10	0	0	0
(3) Occupied Rental Housing	17	324	341	17	324	341
(4) Vacant Rental Housing				46	158	204
9. EFFECTIVE HOUSING DEFICIT	51	93	144	168	1195	1363
A. INVOLUNTARILY SEPARATED FAMILIES	5	21	26			
B. SUBSTANDARD HOUSING	46	70	116			
C. EXCESS DISTANCE HOUSING	0	2	2			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				140	10	150
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			80.6	46.2	51.6
	ALL HOUSING			95.3	63.2	68.2

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 246 units vacant at the time the survey was conducted.

Column d includes 2 key civilians of Officer Equivalent Rank

Line 10 Proposed Project:

8 Senior Ofc Qtrs	4 bedroom units
35 Field Grade Ofc Qtrs	4 bedroom units
45 Field Grade Ofc Qtrs	3 bedroom units
8 Company Grade Ofc Qtrs	5 bedroom units
22 Company Grade Ofc Qtrs	4 bedroom units
22 Company Grade Ofc Qtrs	3 bedroom units
10 Senior Enlisted Qtrs	4 bedroom units

1. COMPONENT ARMY	FY 19_87 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Germany Various Germany	4. COMMAND US Army Europe & Seventh Army	5. AREA CONSTR COST INDEX 1.17

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	0	0	0	0	0	0	0	0	0	0
b. END FY 19 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 0		
b. INVENTORY TOTAL AS OF	30 Sep 85	0.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	58,125.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	53,250.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	50,400.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	38,000.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		199,775.0

8. PROJECTS REQUESTED IN THIS PROGRAM.

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction				
	Crailsheim	40	4,100	4/85	TURNKEY
	Darmstadt	40	3,150	7/85	TURNKEY
	Erlangen	106	9,400	7/85	TURNKEY
	Herzo Base	34	3,300	7/85	TURNKEY
	Mainz	20	1,850	7/85	TURNKEY
	Schweinfurt	90	8,400	4/85	TURNKEY
	Vilseck	224	21,000	4/85	TURNKEY
	Wildflecken	24	2,050	8/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in following programs (FY 88):

711 Family Housing Construction

Aschaffenburg	60	5,400
Baumholder	152	11,600
Mannheim	112	10,400
Pirmasens	72	5,600
Vilseck	188	17,400

b. Major planned next three years:

Bad Nauheim	140	13,300
Butzbach	160	15,200
Mainz	100	9,500

10. MISSION OR MAJOR FUNCTIONS:

Support of US Army, Europe and Seventh Army.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Crailsheim Fam Hsg Ansbach, Germany	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 711	7.PROJECT NUMBER 1460	8.PROJECT COST ($000) Auth 4,100 Approp 4,100

9.COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,937
Family Housing Units (40 EA)	SF	51,000	57.59	(2,937)
Supporting Facilities				750
Electric Service	LS	-	-	(141)
Water, Sewer & Gas	LS	-	-	(192)
Paving, Walks, Curbs & Gutters	LS	-	-	(204)
Storm Drainage	LS	-	-	(54)
Site Improvement	LS	-	-	(141)
Communication	LS	-	-	(18)
Subtotal				3,687
Contingency (5.00%)				184
Total Contract Cost				3,871
Supervision, Inspection & Overhead (5.50%)				213
Total Request				4,084
Total Request (Rounded)				4,100
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Dwelling units will be U. S. pre-manufactured townhouse/apartment type buildings with carports. All sitework, paving, utilities, street lighting, playgrounds, and supporting facilities are included. Sitework to include inspection and removal of explosive duds and relocating existing playgrounds, barbeque pits and a baseball field. Government appliances will be ordered separate but installed by the contractor. Government furnished appliances include one each of the following items per unit: refrigerator, range/oven, dishwasher, smoke detector, garbage disposal, washer and dryer. This project is not sited in a flood plain.

GRADE	BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SNCO	3	1350 SF	1.20	48	20	1,555
JNCO	3	1200 SF	1.20	48	20	1,382

11. REQUIREMENT: See DD1523

PROJECT: This project will provide 40 dwelling units for senior and junior enlisted soldiers

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Crailsheim Fam Hsg, Ansbach, Germany		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 1460

11. REQUIREMENT: (Continued)

PROJECT: (Continued)

and their families in the Crailsheim area.

REQUIREMENT: This project is required to alleviate the family housing shortage when the requirement increases from 338 to 892 families with the population growth of the Crailsheim military community.

CURRENT SITUATION: The Crailsheim military community will require 706 family housing units by 1990. Current family housing assets consist of 311 government owned quarters and an additional 26 units in the private economy. However, the community of Crailsheim is incapable of providing adequate housing to meet these requirements, and this situation will not improve. Not only is the military community expanding but th civilian market is placing an increased demand on the housing market. The increase in the civilian market is for employees of new manufacturing facilities in the area such as the recently completed Proctor & Gamble plant. Available economy housing is spread widely throughout the area with a majority in small farming villages. Most of the available units are old with antiquated heating systems, objectionable farm odors, and lack of modern conveniences. Public transportation and communication systems are not available to most military families in these isolated villages. Currently, there are 33 families involuntarily separated due to the lack of adequate housing in the Crailsheim area. This, when combined with the lack of economy housing, necessitates construction on available government land.

IMPACT IF NOT PROVIDED: If this project is not provided, the housing shortage in Crailsheim will severel affect future stationing actions, and eventually, the overall Army mission. Moreover, the lack of adequate housing will cause morale problems among those soldiers and families who will be forced to live separately or unsuitably.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding nor is it expected to become eligible.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	**MILITARY FAMILY HOUSING JUSTIFICATION**	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Crailsheim, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	29	309	338	78	814	892
6. LESS: VOLUNTARY SEPARATIONS	1	67	68	3	183	186
7. EFFECTIVE HOUSING REQUIREMENTS	28	242	270	75	631	706
8. LESS: ADEQUATE HOUSING	27	210	237	51	286	337
A. UNDER MILITARY CONTROL	25	196	221	47	264	311
(1) Existing	25	196	221	47	264	311
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	0	0	0	0	0	0
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	2	14	16	4	22	26
(1) Owned Houses	0	0	0	0	0	0
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	2	14	16	2	14	16
(4) Vacant Rental Housing				2	8	10
9. EFFECTIVE HOUSING DEFICIT	1	32	33	24	345	369
A. INVOLUNTARILY SEPARATED FAMILIES	1	32	33			
B. SUBSTANDARD HOUSING	0	0	0			
C. EXCESS DISTANCE HOUSING	0	0	0			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	40	40
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			62.7	48.2	49.7
	ALL HOUSING			68.0	51.7	53.4

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 90 units vacant at the time the survey was conducted.

Line 10 Proposed Project:

20 Senior Enlisted 3 bedroom units
20 Junior Enlisted 3 bedroom units

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Darmstadt Career Center Darmstadt, Germany	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 711	7.PROJECT NUMBER 1568	8.PROJECT COST ($000) Auth 3,150 Approp 3,150

9.COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,244
Family Housing Units (40 EA)	SF	38,000	59.06	(2,244)
Supporting Facilities				600
Electric Service	LS	-	-	(113)
Water, Sewer & Gas	LS	-	-	(73)
Steam, Chilled Water & Heat Distribution	LS	-	-	(124)
Paving, Walks, Curbs & Gutters	LS	-	-	(94)
Site Improvement	LS	-	-	(163)
Communication	LS	-	-	(33)
Subtotal				2,844
Contingency (5.00%)				142
Total Contract Cost				2,986
Supervision, Inspection & Overhead (5.50%)				164
Total Request				3,150
Total Request (Rounded)				3,150
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Dwelling units will be U.S. pre-manufactured townhouse/apartment type buildings with carports. The design will include meter drops. Heating will be provided. Site work includes grading, paving, walks, landscaping, storm drainage, street lighting and all utilities except telephone service. Water works will include distribution lines and hydrants. Government furnished equipment consists of range, refrigerator, hot water heater, dishwasher, garbage disposals, smoke detector, washer and dryer.

GRADES	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
JNCO	2	950	1.23	48	40	2,244

11. REQUIREMENT: See DD1523

PROJECT: The proposed construction will provide 40 housing units for junior enlisted personnel at Darmstadt, Germany.

REQUIREMENT: This project will provide relief for the installation's current and long range projected deficit of housing units for military personnel. The FY 85 survey shows a current deficit of 229 units and a long-range deficit of 513 dwelling units.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Darmstadt Career Center, Darmstadt, Germany		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 1568

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Darmstadt is located in north central Germany, in the German Federal State of Hessen, 20 miles south of Frankfurt. Darmstadt is a light industrial area, and small towns and villages surrounding it are primarily agricultural, consisting of small farms which are usually family owned and operated. Due to the concentration of small industry in the city proper and home environment in surrounding areas, additional construction of rental housing is limited. The existing one and two-family housing units are generally 50-100 years old with patchwork modernization. Modern units equipped with common comfort items such a central heat, bathrooms with hot and cold running water, etc., are scarce and difficult for military families to acquire. There are a limited number of high rise buildings located within the city proper. The majority of these units, however, are sold for personal use, with occasional units available for rent on the open market. Also, of the limited number of economy units that become available, landlords prefer to rent to German citizens and local nationals who lease on a long term basis in contrast to the frequent moves of US personnel. The growth in the population of local nationals further aggravates the shortage of housing. Land space for construction is negligible. The city itself is industrialized and crowded. A green belt of forests surrounding the city is well protected by the German Federal Government, barring construction of any kind. The waiting period for government quarters can be as long as 62 weeks in the Darmstadt community.

IMPACT IF NOT PROVIDED: Failure to provide critically needed junior enlisted housing causes involuntary family separations and perpetuates substandard living conditions which will adversely affect morale of assigned military personnel and mission accomplishment.

1. DATE	2. FISCAL YEAR	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT
14 FEB 86	1987		Army

4. INSTALLATION AND LOCATION
Darmstadt, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	253	2028	2281	377	2183	2560
6. LESS: VOLUNTARY SEPARATIONS	12	248	260	18	271	289
7. EFFECTIVE HOUSING REQUIREMENTS	241	1780	2021	359	1912	2271
8. LESS: ADEQUATE HOUSING	232	1560	1792	233	1525	1758
A. UNDER MILITARY CONTROL	168	836	1004	169	801	970
(1) Existing	112	674	786	128	700	828
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	56	162	218	41	101	142
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	64	724	788	64	724	788
(1) Owned Houses	0	9	9	0	9	9
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	64	715	779	64	715	779
(4) Vacant Rental Housing				0	0	0
9. EFFECTIVE HOUSING DEFICIT	9	220	229	126	387	513
A. INVOLUNTARILY SEPARATED FAMILIES	3	191	194			
B. SUBSTANDARD HOUSING	3	20	23			
C. EXCESS DISTANCE HOUSING	3	9	12			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	40	40
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			47.1	44.0	44.5
	ALL HOUSING			64.9	81.9	79.2

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 42 units vacant at the time the survey was conducted.

Line 10 Proposed Project:

40 Junior Enlisted 2 bedroom units

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Erlangen Housing Nuernberg, Germany	4. PROJECT TITLE Family Housing New Construction

5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 1569	8. PROJECT COST ($000) Auth - 9,400 Approp - 9,400

9. COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				6,203
Family Housing Units (106)	SF	110,450	56.16	(6,203)
Supporting Facilities				2,270
Electric Service	LS	-	-	(295)
Water, Sewer & Gas	LS	-	-	(840)
Paving, Walks, Curbs & Gutters	LS	-	-	(432)
Storm Drainage	LS	-	-	(158)
Site Improvement	LS	-	-	(499)
Communication	LS	-	-	(46)
-				
Subtotal				8,473
Contingency (5.00%)				424
Total Contract Cost				8,897
Supervision, Inspection & Overhead (5.50%)				489
Total Request				9,386
Total Request (Rounded)				9,400
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Dwelling units will be U.S. pre-manufactured townhouse/apartment type buildings with carports. All site work, paving, utilities, street lighting, playgrounds, and supporting facilities are included. Heating to be provided by local district heating system. Site work to include relocating. existing soccer field. Government appliances will be ordered separately but installed by the contractor. Government furnished appliances include one each of the following per unit: refrigerator, range/oven, dishwasher, garbage disposal, hot water heater, smoke detector, washer and dryer.

GRADE	NO. BEDROOM	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SO	4	1,700	1.17	$48	1	96
FGO	4	1,550	1.17	$48	6	522
SNCO	4	1,450	1.17	$48	1	81

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Erlangen Housing, Nuernberg, Germany

4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 1569

10. DESCRIPTION OF PROPOSED CONSTRUCTION: (Continued)

SNCO	3	1,350	1.17	$48	6	455
SNCO	2	950	1.17	$48	4	213
JNCO	3	1,200	1.17	$48	10	674
JNCO	2	950	1.17	$48	78	4,162

11. REQUIREMENT: See DD1523

PROJECT: This project will provide 106 dwelling units for officers and enlisted soldiers with families in the Erlangen areas.

REQUIREMENT: This project is required in FY 87 to alleviate the family housing shortage.

CURRENT SITUATION: Communities surrounding Erlangen cannot provide adequate housing to meet current and projected needs. This situation will not improve. Available economy housing is widely spread within small surrounding villages. Many of the available units are old with antiquated utility systems, and lack modern conveniences. Public transportation and communication systems are not available to most military families living in these isolated villages. Service members overseas usually cannot afford two automobiles and many have none at all, thus making commuting to and from work as well as to post facilities difficult if not impossible for some of the families.

IMPACT IF NOT PROVIDED: If this construction project is not provided, the housing shortage in the Erlangen area will severely affect future stationing actions and the morale and welfare of soldiers and families, and eventually, the overall Army mission.

ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding nor is it expected to become eligible.

1. DATE 14 FEB 86	2. FISCAL YEAR 1987	**MILITARY FAMILY HOUSING JUSTIFICATION**	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Erlangen and Herzo Base, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	151	1469	1620	223	1653	1876
6. LESS: VOLUNTARY SEPARATIONS	7	250	257	10	282	292
7. EFFECTIVE HOUSING REQUIREMENTS	144	1219	1363	213	1371	1584
8. LESS: ADEQUATE HOUSING	142	993	1135	150	1037	1187
A. UNDER MILITARY CONTROL	85	359	444	91	398	489
(1) Existing	84	315	399	90	323	413
(2) Under Construction				0	0	0
(3) Approved				0	30	30
(4) Leased	1	44	45	1	45	46
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	57	634	691	59	639	698
(1) Owned Houses	0	3	3	0	3	3
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	57	631	688	57	631	688
(4) Vacant Rental Housing				2	5	7
9. EFFECTIVE HOUSING DEFICIT	2	226	228	63	334	397
A. INVOLUNTARILY SEPARATED FAMILIES	2	153	155			
B. SUBSTANDARD HOUSING	0	61	61			
C. EXCESS DISTANCE HOUSING	0	12	12			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				12	128	140
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			48.4	38.4	39.7
	ALL HOUSING			76.1	85.0	83.8

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 15 units vacant at the time the survey was conducted.

Line 10 Proposed Project, Government Construction:

2	Senior Officer	4 bedroom units	4	Senior Enlisted	2 bedroom units
10	Field Grade	4 bedroom units	16	Junior Enlisted	3 bedroom units
2	Senior Enlisted	4 bedroom units	98	Junior Enlisted	2 bedroom units
8	Senior Enlisted	3 bedroom units			

Proposed Project includes 106 units for Erlangen and 34 units for Herzo Base.

DD FORM 1 DEC 78 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Herzo Base Nuernberg, Germany	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88742A	6.CATEGORY CODE 711	7.PROJECT NUMBER 1571	8.PROJECT COST ($000) Auth 3,300 Approp 3,300

9.COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				2,239
Family Housing Units (34)	SF	38,250	58.53	(2,239)
Supporting Facilities				734
Electric Service	LS	-	-	(97)
Water, Sewer & Gas	LS	-	-	(271)
Paving, Walks, Curbs & Gutters	LS	-	-	(139)
Storm Drainage	LS	-	-	(51)
Site Improvement	LS	-	-	(161)
Communication	LS	-	-	(15)
Subtotal				2,973
Contingency (5.00%)				149
Total Contract Cost				3,122
Supervision, Inspection & Overhead (5.50%)				172
Total Request				3,294
Total Request (Rounded)				3,300
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Dwelling units will be U.S. pre-manufactured townhouse/apartment type buildings with carports. All site work, paving, utilities, street lighting, playgrounds, and supporting facilities are included. Heating to be provided by expanding existing heating system. Government appliances will be ordered separately but installed by the contractor. Government furnished appliances include one of each of the following items per unit: refrigerator, range/oven, dishwasher, garbage disposal, hot water heater, smoke detector, washer and dryer.

GRADE	NO. BEDROOM	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SO	4	1,700	1.22	$48	1	99
FGO	4	1,550	1.22	$48	4	363
SNCO	4	1,450	1.22	$48	1	85
SNCO	3	1,350	1.22	$48	2	158
JNCO	3	1,200	1.22	$48	6	421
JNCO	2	950	1.22	$48	20	1,113

11. REQUIREMENT: See DD1523

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Herzo Base, Nuernberg, Germany		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 1571

11. REQUIREMENT: (Continued)
PROJECT: This project will provide 34 dwelling units for officers and enlisted soldiers with famillities in the Herzo Base areas.
REQUIREMENT: This project is required in FY 87 to alleviate the family housing shortage.
CURRENT SITUATION: Communities surrounding Herzo Base cannot provide adequate housing to meet current and projected needs. This situation will not improve. Available economy housing is widely spread within small surrounding villages. Many of the available units are old with antiquated utility systems, and lack modern conveniences. Public transportation and communication systems are not available to most military families living in these isolated villages. Service members overseas usually cannot afford two automobiles and many have none at all, thus making commuting to and from work as well as to post facilities difficult if not impossible for some of the families.
IMPACT IF NOT PROVIDED: If this construction project is not provided, the housing shortage in the Herzo Base area will severely affect future stationing actions and the morale and welfare of soldiers and families, and eventually, the overall Army mission.
ADDITIONAL: This project is not within an established NATO Infrastructure Category for common funding nor is it expected to become eligible.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

DD FORM 1 DEC 76 DD1391C

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 FEB 86	1987	**MILITARY FAMILY HOUSING JUSTIFICATION**	Army

4. INSTALLATION AND LOCATION

Erlangen and Herzo Base, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	151	1469	1620	223	1653	1876
6. LESS: VOLUNTARY SEPARATIONS	7	250	257	10	282	292
7. EFFECTIVE HOUSING REQUIREMENTS	144	1219	1363	213	1371	1584
8. LESS: ADEQUATE HOUSING	142	993	1135	150	1037	1187
A. UNDER MILITARY CONTROL	85	359	444	91	398	489
(1) Existing	84	315	399	90	323	413
(2) Under Construction				0	0	0
(3) Approved				0	30	30
(4) Leased	1	44	45	1	45	46
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	57	634	691	59	639	698
(1) Owned Houses	0	3	3	0	3	3
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	57	631	688	57	631	688
(4) Vacant Rental Housing				2	5	7
9. EFFECTIVE HOUSING DEFICIT	2	226	228	63	334	397
A. INVOLUNTARILY SEPARATED FAMILIES	2	153	155			
B. SUBSTANDARD HOUSING	0	61	61			
C. EXCESS DISTANCE HOUSING	0	12	12			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				12	128	140
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			48.4	38.4	39.7
	ALL HOUSING			76.1	85.0	83.8

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 15 units vacant at the time the survey was conducted.

Line 10 Proposed Project, Government Construction:

2	Senior Officer	4 bedroom units	4	Senior Enlisted	2 bedroom units
10	Field Grade	4 bedroom units	16	Junior Enlisted	3 bedroom units
2	Senior Enlisted	4 bedroom units	98	Junior Enlisted	2 bedroom units
8	Senior Enlisted	3 bedroom units			

Proposed Project includes 106 units for Erlangen and 34 units for Herzo Base.

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Uhlerborn Storage Pt Mainz, Germany	4. PROJECT TITLE Family Housing New Construction

5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 1570	8. PROJECT COST ($000) Auth 1,850 Approp 1,850

9. COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,276
Family Housing Units (20 EA)	SF	21,800	58.51	(1,276)
Supporting Facilities				382
Electric Service	LS	-	-	(80)
Water, Sewer & Gas	LS	-	-	(81)
Steam, Chilled Water & Heat Distribution	LS	-	-	(60)
Paving, Walks, Curbs & Gutters	LS	-	-	(104)
Site Improvement	LS	-	-	(42)
Communication	LS	-	-	(15)
Subtotal				1,658
Contingency (5.00%)				83
Total Contract Cost				1,741
Supervision, Inspection & Overhead (5.50%)				96
Total Request				1,837
Total Request (Rounded)				1,850
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Dwelling units will be U. S. pre-manufactured, townhouse/apartment type buildings with carports. Supporting facilities to include electrical meter drops, and all utility connections. Heating to be from a centralized heating plant constructed as part of PN 881 (FY 85). Government furnished equipment consists of ranges, refrigerators, dishwashers, smoke detectors, garbage disposal, washers, and dryers.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
JNCO	2	950	1.22	48	10	556
JNCO	3	1200	1.22	48	8	562
JNCO	3	1350	1.22	48	2	158

11. REQUIREMENT: See DD1523

PROJECT: Construction of 20 US Manufactured Family Housing Units at Uhlerborn Storage Point, Mainz, Germany.

REQUIREMENT: Government owned/leased family quarters in the Mainz Military Community and economy housing are insufficient in number to meet the needs of military families.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Uhlerborn Storage Pt, Mainz, Germany		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 1570

11. REQUIREMENT: (Continued)
CURRENT SITUATION: The Mainz Military Community is located 25 miles southwest of Frankfurt, across the Rhein River from Wiesbaden. The area is a mixture of agricultural and light/medium industry. Accordingly, there is a scarcity of land for residential development. Local builders and governments cannot meet the need for rental units. According to the City of Mainz housing authority, approximately 5,000 German families are seeking housing in the Mainz area with an average one year wait. Additionally, 25,000 university students compound the housing shortage creating heavy competition and rental price escalation. Many property owners are converting housing units and apartments to offices and leasing them to businesse on a long-term basis. The housing market is so tight that the housing referral office is forced to search for units in remote areas. This results in transportation problems for soldiers and their families. The long-range effective family housing requirement is 2,797. At 100% occupancy of all available adequate units, there is a deficit of 743 units. The proposed construction of 20 units will provide partial relief. Enlisted personnel are required to wait a minimum of thirty-nine weeks after application before obtaining family housing.
IMPACT IF NOT PROVIDED: Failure to provide critically needed housing will continue involuntary family separations and perpetuate substandard living conditions which adversely affect morale of assigned personnel and mission accomplishment.
ADDITIONAL: This project is not within an established NATO infrastructure category (including the RSC) for common funding, nor is it expected to become eligible.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 Feb 86	1987	**MILITARY FAMILY HOUSING JUSTIFICATION**	Army

4. INSTALLATION AND LOCATION
Mainz, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	409	2336	2745	520	2613	3133
6. LESS: VOLUNTARY SEPARATIONS	10	283	293	13	323	336
7. EFFECTIVE HOUSING REQUIREMENTS	399	2053	2452	507	2290	2797
8. LESS: ADEQUATE HOUSING	361	1477	1838	359	1695	2054
A. UNDER MILITARY CONTROL	249	1033	1282	247	1251	1498
(1) Existing	211	813	1024	205	850	1055
(2) Under Construction				0	0	0
(3) Approved				0	186	186
(4) Leased	38	220	258	42	215	257
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	112	444	556	112	444	556
(1) Owned Houses	0	0	0	0	0	0
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	112	444	556	112	444	556
(4) Vacant Rental Housing				0	0	0
9. EFFECTIVE HOUSING DEFICIT	38	576	614	148	595	743
A. INVOLUNTARILY SEPARATED FAMILIES	31	423	454			
B. SUBSTANDARD HOUSING	7	137	144			
C. EXCESS DISTANCE HOUSING	0	16	16			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	20	20
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			48.7	55.5	54.3
	ALL HOUSING			70.8	74.9	74.2

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 33 units vacant at the time the survey was conducted.

Line 10 Proposed Project:

2 Senior Enlisted	3 bedroom units
8 Junior Enlisted	3 bedroom units
10 Junior Enlisted	2 bedroom units

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Ledward Barracks Schweinfurt, Germany	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 711	7.PROJECT NUMBER 1458	8.PROJECT COST ($000) Auth 8,400 Approp 8,400

9.COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,235
Family Housing Units (90)	SF	91,650	57.12	(5,235)
Supporting Facilities				2,361
Electric Service	LS	-	-	(257)
Water, Sewer & Gas	LS	-	-	(819)
Paving, Walks, Curbs & Gutters	LS	-	-	(631)
Storm Drainage	LS	-	-	(71)
Site Improvement	LS	-	-	(328)
Communication	LS	-	-	(23)
Other	LS	-	-	(232)
Subtotal				7,596
Contingency (5.00%)				380
Total Contract Cost				7,976
Supervision, Inspection & Overhead (5.50%)				439
Total Request				8,415
Total Request (Rounded)				8,400
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Dwelling units will be U. S. pre-manufactured townhouse/apartment type buildings with carports. Paving to include parking, driveways and sidewalks. Connection to all utilities to include water, sewage (sanitary and storm, including sewage lift station), electricity, communications and gas. The area is to be landscaped and site preparation and clearing performed. Government furnished equipment consists of range/oven, refrigerator, garbage disposal, smoke detector, dishwasher, washer and dryer.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SNCO	3	1350	1.19	48	11	848
JNCO	3	1200	1.19	48	7	480
JNCO	2	950	1.19	48	72	3,907

11. REQUIREMENT: See DD1523

PROJECT: Construction of 90 family housing units with all necessary supporting facilities at Kessler Field, Schweinfurt.

REQUIREMENT: This project provides critically needed additional government controlled housing to reduce an acute shortage of available assets. The

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION

Ledward Barracks, Schweinfurt, Germany

4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 1458

additional family housing assets provided by this project support current and future requirements.

CURRENT SITUATION: The local community has a lack of suitable housing and is unable to support current and future housing requirements. Family housing requirements are currently met by relying on facilities available in the local community. Schweinfurt is a small, thriving, industrial city and there is considerable competition for the limited accommodations available. Due to the demand, off-post housing is expensive and often fails to meet the desired adequacy standards. Additionally, facilities are scattered throughout the area within a 20 mile radius of the installation. The remote locations and distances involved considerably impact on unit integrity and readiness as well as negatively affecting the morale and welfare of soldiers and families. The proximity of Schweinfurt to the East/West German border and the border surveillance mission requires mostly tactical units be stationed here. These units have a larger number of lower graded enlisted personnel, many of whom are married, and it is extremely difficult for these soldiers to meet the financial demands of economy living. There are currently over 600 families involuntarily separated from their military sponsor due to lack of adequate housing facilities. Moreover, another 479 families are currently living in unsuitable economy housing.

IMPACT IF NOT PROVIDED: If this project is not provided the housing shortfall will continue to be a serious problem and many married personnel will be forced to accept unaccompanied tours or live in substandard conditions. These conditions drastically affect morale and the mission and readiness posture of the tactical units will be detrimentally affected by the continued and increased reliance on substandard economy housing.

ADDITIONAL: This project is not eligible for NATO Infrastructure funding, nor is it expected to become eligible.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 Feb 86	1987	MILITARY FAMILY HOUSING JUSTIFICATION	Army

4. INSTALLATION AND LOCATION

Schweinfurt, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	367	3169	3536	325	2581	2906
6. LESS: VOLUNTARY SEPARATIONS	7	359	366	6	293	299
7. EFFECTIVE HOUSING REQUIREMENTS	360	2810	3170	319	2288	2607
8. LESS: ADEQUATE HOUSING	323	1670	1993	331	1791	2122
A. UNDER MILITARY CONTROL	185	872	1057	189	986	1175
(1) Existing	82	613	695	86	629	715
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	103	259	362	103	357	460
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	138	798	936	142	805	947
(1) Owned Houses	0	2	2	0	2	2
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	138	796	934	138	796	934
(4) Vacant Rental Housing				4	7	11
9. EFFECTIVE HOUSING DEFICIT	37	1140	1177	-12	497	485
A. INVOLUNTARILY SEPARATED FAMILIES	19	679	698			
B. SUBSTANDARD HOUSING	18	445	463			
C. EXCESS DISTANCE HOUSING	0	16	16			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	90	90
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			59.2	47.0	48.5
	ALL HOUSING			103.8	82.2	84.8

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 20 units vacant at the time the survey was conducted.

Line 10 Proposed Project:

11	Senior Enlisted	3 bedroom units
7	Junior Enlisted	3 bedroom units
72	Junior Enlisted	2 bedroom units

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		14 FEB 86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
South Camp Vilseck Vilseck, Germany	Family Housing New Construction

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741A	711	1459	Auth 21,000 Approp 21,000

9. COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				13,806
Family Housing Units (224)	SF	252,300	54.72	(13,806)
Supporting Facilities				5,460
Electric Service	LS	-	-	(1,043)
Water, Sewer & Gas	LS	-	-	(1,173)
Paving, Walks, Curbs & Gutters	LS	-	-	(1,067)
Storm Drainage	LS	-	-	(261)
Site Improvement	LS	-	-	(1,720)
Communication	LS	-	-	(196)
Subtotal				19,266
Contingency (5.00%)				963
Total Contract Cost				20,229
Supervision, Inspection & Overhead (5.50%)				1,113
Total Request				21,342
Total Request (Rounded)				21,000
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Dwelling units will be U. S. pre-manufactured townhouse/apartment type buildings with carports. The design will be standard and include meter drops. Electrical work to include connections to transformer stations and street lighting.

Heat to be supplied from a proposed 55 MBTU central heat plant to be constructed under related MCA project PN 2305.

Paving to include parking, driveways, enclosed garbage racks and sidewalks. Sanitary sewage work to include connection to sewer mains. Site work to include ammunition dud clearance, site preparation, landscaping, drainage ditches and culverts.

Communications and utilities work to include cabling, electrical transformer stations, water mains, road network, and sewer mains will be provided under PN 2305. Government furnished equipment to include a refrigerator, washer, dryer, range/oven, garbage disposal, dishwasher, and smoke detector.

GRADE	NO. BEDROOM	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOT COST

1.COMPONENT ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION

South Camp Vilseck, Vilseck, Germany

4.PROJECT TITLE

Family Housing New Construction

5.PROJECT NUMBER

1459

10. DESCRIPTION OF PROPOSED CONSTRUCTION: (Continued)

Field	4	1,550	1.14	48.00	11	933
Field	3	1,400	1.14	48.00	12	919
Company	4	1,450	1.14	48.00	11	873
Company	3	1,350	1.14	48.00	16	1,182
Company	2	950	1.14	48.00	11	572
SNCO	4	1,450	1.14	48.00	8	635
SNCO	3	1,350	1.14	48.00	14	1,034
SNCO	2	950	1.14	48.00	10	520
JNCO	4	1,350	1.14	48.00	5	369
JNCO	3	1,200	1.14	48.00	16	1,050
JNCO	2	950	1.14	48.00	110	5,718

Installation of Energy Monitoring Control System (EMCS) to include all required cabling as necessary.

11. REQUIREMENT: See DD1523

PROJECT: Construction of 224 family housing units at South Camp Vilseck, Germany.

REQUIREMENT: This project is required to provide family housing for accompanied military personnel.

CURRENT SITUATION: Current family housing assets consist of 225 on-post government controlled, 4 off-post leased, and 180 off-post private economy rental units. Additionally, 100 units were approved for construction in FY 84 and 370 units are included in the FY 86 MILCON Bill. The long-range deficit is over 1,000 family housing units. The current waiting period for family housing is 36 weeks. Presently, family members must travel in a non-concurrent status due to the family housing deficit. The local community surrounding Vilseck is primarily agricultural, consisting of small family owned and operated farms. Due to this rural environment, the need for expansion of the private community is not prevalent, and new construction of housing is limited to the family needs of local inhabitants. A majority of the local rental units are considered minimum quality by modern standards, lacking amenities such as central heat or bathrooms with hot and cold running water. When undertaken, new construction is primarily single/duplex housing with the military occupant sharing the house with the owner. There are no plans for any major construction of houses or apartments in the Vilseck area. Local community leaders were informed of the acute housing shortage and a review of both current and forecasted community assets indicate the local market is unable to meet the housing requirement for all military families. Force Modernization Plans necessitate a significant increase in the size of the military community and the requirement for additional family housing. The proposed construction will continue the relief started in FY 84 toward reducing the projected deficit of over 1,000 family housing units.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION South Camp Vilseck, Vilseck, Germany		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 1459

11. REQUIREMENT: (Continued)
IMPACT IF NOT PROVIDED: If this project is not provided, there will be an acute shortage of family housing with the implementation of Force Modernization at Vilseck. This deficiency may delay or prevent the reassignment of major combat units, severely degrading USAREUR's mission.
ADDITIONAL: The proposed project will cause no significant air and water pollution during and after construction. The proposed project will not be located in an area subject to flooding. The project has been reviewed for applicability to Executive Order 12114, Environmental Effects Abroad of Major Federal Actions. It has been determined that no environmental documentation is required. Lease and rental units are utilized to the maximum extent possible. These methods will not meet the total forecasted requirement. Many married personnel will be forced to accept unaccompanied tours. This project is not within an established NATO Infrastructure Category (Including Reinforcement Support Category) for common funding, nor is it expected to become eligible.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 Feb 86	1987	**MILITARY FAMILY HOUSING JUSTIFICATION**	Army

4. INSTALLATION AND LOCATION

Vilseck, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	47	521	568	210	1834	2044
6. LESS: VOLUNTARY SEPARATIONS	0	28	28	0	107	107
7. EFFECTIVE HOUSING REQUIREMENTS	47	493	540	210	1727	1937
8. LESS: ADEQUATE HOUSING	43	366	409	60	872	932
A. UNDER MILITARY CONTROL	34	195	229	51	700	751
(1) Existing	34	191	225	35	191	226
(2) Under Construction				0	0	0
(3) Approved				16	454	470
(4) Leased	0	4	4	0	55	55
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	9	171	180	9	172	181
(1) Owned Houses	0	0	0	0	0	0
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	9	171	180	9	171	180
(4) Vacant Rental Housing				0	1	1
9. EFFECTIVE HOUSING DEFICIT	4	127	131	150	855	1005
A. INVOLUNTARILY SEPARATED FAMILIES	4	113	117			
B. SUBSTANDARD HOUSING	0	14	14			
C. EXCESS DISTANCE HOUSING	0	0	0			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				61	163	224
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			53.3	50.0	50.3
	ALL HOUSING			57.6	59.9	59.7

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 1 unit vacant at the time the survey was conducted.

Line 10 Proposed Project:

11 Field Grade	4 bedroom units	8 Senior Enlisted	4 bedroom units
12 Field Grade	3 bedroom units	14 Senior Enlisted	3 bedroom units
11 Company Grade	4 bedroom units	10 Senior Enlisted	2 bedroom units
16 Company Grade	3 bedroom units	5 Junior Enlisted	4 bedroom units
11 Company Grade	2 bedroom units	16 Junior Enlisted	3 bedroom units
		110 Junior Enlisted	2 bedroom units

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Wildflecken Fam Hsg Wildflecken, Germany	4. PROJECT TITLE Family Housing New Construction

5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 1572	8. PROJECT COST ($000) Auth 2,050 Approp 2,050

9. COST ESTIMATES

DM 2.46/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				1,347
Family Housing Units (24)	SF	22,800	59.10	(1,347)
Supporting Facilities				523
Electric Service	LS	-	-	(72)
Water, Sewer & Gas	LS	-	-	(78)
Steam, Chilled Water & Heat Distribution	LS	-	-	(158)
Paving, Walks, Curbs & Gutters	LS	-	-	(120)
Storm Drainage	LS	-	-	(5)
Site Improvement	LS	-	-	(27)
Communication	LS	-	-	(37)
Other	LS	-	-	(26)
Subtotal				1,870
Contingency (5.00%)				94
Total Contract Cost				1,964
Supervision, Inspection & Overhead (5.50%)				108
Total Request				2,072
Total Request (Rounded)				2,050
Installed Equipment - Other Appropriations				(0)

10. Description of Proposed Construction Dwelling units will be U. S. pre-manufactured type buildings with carports. Support facilities include a connection to the existing central heat plant (on post), heat distribution lines, an electrical transformer (capacity 630 KW) ,electrical distribution lines, and sewer lines which will connect to the existing community sewage disposal system. A road system connecting to the east end of State Street and to the parking lot of building 50 on the west will be constructed in this project along with driveways, parking spaces, and sidewalks. Site improvements include subsoil and topsoil excavation, tree cutting, shrub and stump removal and grass seeding. This project is not sited in a flood plain. Government furnished equipment consists of range, refrigerator, garbage disposal, dishwasher, smoke detector, washer, and dryer.

GRADES	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
JNCO	2	950	1.23	48	24	1,347

11. REQUIREMENT: See DD1523

PROJECT: Construct 24 Family Housing dwelling units with roads, utilities,

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86
3.INSTALLATION AND LOCATION Wildflecken Fam Hsg, Wildflecken, Germany		
4.PROJECT TITLE Family Housing New Construction		5.PROJECT NUMBER 1572

11. REQUIREMENT: (Continued)
PROJECT: (Continued)
and site improvements at Wildflecken.
REQUIREMENT: This project is required to provide family housing for military personnel assigned to the Wildflecken area.
CURRENT SITUATION: Current family housing assets consist of 319 on-post government controlled units and 106 off-post leased two-bedroom units. The waiting period for junior enlisted personnel is 52 weeks. Current family housing assets are scattered throughout the area with commuting times of one hour in the summer months and sometimes two hours in the winter. The availability of economy housing is extremely limited in this rural community.
IMPACT IF NOT PROVIDED: If this project is not accomplished there will continue to be a shortage of housing assets. Leased rental units are being utilized to the maximum extent possible, however, without this construction, military personnel and their families will bear undue hardships resulting in unnecessary separations, delayed travel for dependents, or the prospect of living in substandard housing conditions.
ADDITIONAL: This project is not within an established NATO Infrastructure facilities (including supporting category) for common fundings nor is it expected to become eligible.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 Feb 86	1987	MILITARY FAMILY HOUSING JUSTIFICATION	Army

4. INSTALLATION AND LOCATION
Wildflecken, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	130	1287	1417	206	1510	1716
6. LESS: VOLUNTARY SEPARATIONS	4	262	266	4	262	266
7. EFFECTIVE HOUSING REQUIREMENTS	126	1025	1151	202	1248	1450
8. LESS: ADEQUATE HOUSING	119	608	727	146	807	953
A. UNDER MILITARY CONTROL	72	353	425	99	552	651
(1) Existing	67	252	319	67	261	328
(2) Under Construction				0	153	153
(3) Approved				0	0	0
(4) Leased	5	101	106	32	138	170
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	47	255	302	47	255	302
(1) Owned Houses	0	0	0	0	0	0
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	47	255	302	47	255	302
(4) Vacant Rental Housing				0	0	0
9. EFFECTIVE HOUSING DEFICIT	7	417	424	56	441	497
A. INVOLUNTARILY SEPARATED FAMILIES	2	92	94			
B. SUBSTANDARD HOUSING	5	320	325			
C. EXCESS DISTANCE HOUSING	0	5	5			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	24	24
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			49.0	46.2	46.6
	ALL HOUSING			72.3	66.6	67.4

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 9 units vacant at the time the survey was conducted.

Line 10 Proposed Project:

24 Junior Enlisted 2 bedroom units

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROGRAM	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION Livorno, Italy	4. COMMAND US Army Europe & Seventh Army	5. AREA CONSTR COST INDEX 1.08

6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 30 Sep 85	0	0	0	0	0	0	0	0	0	0
b. END FY 19 91	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA ($000)

a. TOTAL ACREAGE 0		
b. INVENTORY TOTAL AS OF	30 Sep 85	0.0
c. AUTHORIZATION NOT YET IN INVENTORY	(Excludes MCA)	7,278.0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	(Excludes MCA)	7,700.0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	(Excludes MCA)	0.0
f. PLANNED IN NEXT THREE PROGRAM YEARS	(Excludes MCA)	0.0
g. REMAINING DEFICIENCY	(Excludes MCA)	0.0
h. GRAND TOTAL		14,978.0

8. PROJECTS REQUESTED IN THIS PROGRAM:

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
711	Family Housing Construction	90	7,700	4/85	TURNKEY

9. FUTURE PROJECTS:

a. Included in following program (FY 88): Zero

b. Major planned next three Years: Zero

10. MISSION OR MAJOR FUNCTIONS:

USAREUR twin missions are deterring war and being able to win if attacked. Support of US Army, Europe.

1.COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2.DATE 14 FEB 86

3.INSTALLATION AND LOCATION Livorno Supply & Maint Area SETAF, Italy	4.PROJECT TITLE Family Housing New Construction

5.PROGRAM ELEMENT 88741A	6.CATEGORY CODE 711	7.PROJECT NUMBER 180	8.PROJECT COST ($000) Auth 7,700 Approp 7,700

9.COST ESTIMATES

LIRA 1,678/$1 ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				5,432
Family Housing Units (90)	SF	102,850	52.81	(5,432)
Supporting Facilities				1,520
Electric Service	LS	-	-	(455)
Water, Sewer & Gas	LS	-	-	(230)
Steam, Chilled Water & Heat Distribution	LS	-	-	(212)
Paving, Walks, Curbs & Gutters	LS	-	-	(211)
Storm Drainage	LS	-	-	(60)
Site Improvement	LS	-	-	(328)
Communication	LS	-	-	(24)
Subtotal				6,952
Contingency (5.00%)				348
Total Contract Cost				7,300
Supervision, Inspection & Overhead (5.50%)				402
Total Request				7,702
Total Request (Rounded)				7,700
Installed Equipment - Other Appropriations				(0)

10.Description of Proposed Construction Dwelling units to be U. S. pre-manufactured townhouse/apartment type with carports. The design will include meter drops, low temperature hot water heating and electrical work to include a substation, transformer station, high and low voltage lines, and street lighting. Water systems to include distribution lines and hydrants. Heating system to include central plant and distribution lines. Paving to include parking, sidewalks, and driveways. Sanitary sewage work to include collection lines and improvements to the sewage treatment plant. Site work to include culverts, drainage ditches, tree removal, landscaping. Government furnished equipment to include a refrigerator, washer, dryer, range, dishwasher, smoke detector, and garbage disposal for each unit.

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	$/NSF	NO. UNITS	($000) TOTAL COST
SO	4	1700	1.10	48	1	90
FGO	4	1550	1.10	48	1	82
FGO	3	1400	1.10	48	3	222
CGO	3	1350	1.10	48	5	356

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 FEB 86

3. INSTALLATION AND LOCATION
Livorno Supply & Maint Area, SETAF, Italy

4. PROJECT TITLE
Family Housing New Construction

5. PROJECT NUMBER
180

10. DESCRIPTION OF PROPOSED CONSTRUCTION: (Continued)

SNCO	4	1450	1.10	48	1	77
SNCO	3	1350	1.10	48	14	998
JNCO	4	1350	1.10	48	2	143
JNCO	3	1200	1.10	48	23	1457
JNCO	2	950	1.10	48	40	2006

11. REQUIREMENT: See DD 1523

PROJECT: This project is required to provide family housing for officer and enlisted personnel in Livorno, Italy.

REQUIREMENT: Construction of family housing is needed to relieve the shortage of adequate family housing in the Livorno-Leghorn area (Camp Darby).

CURRENT SITUATION: The local community cannot provide adequate housing for military personnel in th Livorno area. Family housing assets off-post are considered unsuitable due to the substandard conditions of these units, especially the lack of potable water. There are 220 families living in unsuitable conditions or sponsors are involuntarily separated from their families. Due to waiting periods of 20-plus weeks, military families must travel in a non-concurrent status and frequently occupy substandard housing rather than face long separations. Service members and their families must face unfavorable living conditions such as: lack of playground facilities for children, insufficient parking facilities, lack of adequate storage, shortage of water during summer months which necessitates controlled consumption, and excessive travel times to and from work. Presently, there are no on-post quarters, and government construction provides the most feasible, cost effective alternative.

IMPACT IF NOT PROVIDED: If the project is not provided, the family housing situation at Livorno (Camp Darby) will remain unsatisfactory. Families will be forced to continue to live in substandard units with long waiting periods for government controlled family housing. Involuntary family separations will continue due to the housing shortage. If not corrected, soldier morale will deteriorate and the overall mission of the community will be seriously affected.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 Feb 86	1987	**MILITARY FAMILY HOUSING JUSTIFICATION**	Army

4. INSTALLATION AND LOCATION
Livorno-Leghorn, Italy

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	63	497	560	82	686	768
6. LESS: VOLUNTARY SEPARATIONS	3	65	68	4	90	94
7. EFFECTIVE HOUSING REQUIREMENTS	60	432	492	78	596	674
8. LESS: ADEQUATE HOUSING	50	384	434	18	395	413
A. UNDER MILITARY CONTROL	18	253	271	18	394	412
(1) Existing	0	0	0	0	0	0
(2) Under Construction				0	0	0
(3) Approved				0	100	100
(4) Leased	18	253	271	18	294	312
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	32	131	163	0	1	1
(1) Owned Houses	0	1	1	0	1	1
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	32	130	162	0	0	0
(4) Vacant Rental Housing				0	0	0
9. EFFECTIVE HOUSING DEFICIT	10	48	58	60	201	261
A. INVOLUNTARILY SEPARATED FAMILIES	1	14	15			
B. SUBSTANDARD HOUSING	9	31	40			
C. EXCESS DISTANCE HOUSING	0	3	3			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				21	69	90
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			50.0	77.7	74.5
	ALL HOUSING			50.0	77.9	74.6

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 23 units vacant at the time the survey was conducted.

Line 8B(3), columns d & e - Private housing in community determined unsatisfactory due to environmental conditions in economy housing; i.e., lack of potable water, lack of playgrounds for children, lack of public transportation, etc.

Line 10 Proposed Project:

1 Senior Officer	4 bedroom	1 Senior Enlisted	4 bedroom
1 Field Grade Officer	4 bedroom	8 Senior Enlisted	3 bedroom
3 Field Grade Officer	3 bedroom	2 Junior Enlisted	4 bedroom
2 Company Grade Officer	4 bedroom	23 Junior Enlisted	3 bedroom
6 Company Grade Officer	3 bedroom	35 Junior Enlisted	2 bedroom
8 Company Grade Officer	2 bedroom		

14 February 1986

ARMY FAMILY HOUSING
FY 87 BUDGET
POST ACQUISITION CONSTRUCTION

(In Thousands)	
FY 87 Program	$146,000
FY 86 Program	$102,000

Purpose and Scope

This program provides for:

a. Alterations, additions, expansions, or extensions to existing public quarters, which will materially increase the useful life and livability of the units improved at a minimum of capital investment.

b. Alterations and improvements to existing public quarters, which will materially improve their energy efficiency at a minimum of capital investment. (Authority is requested to use previously appropriated energy conservation funding).

c. Conversion and expansion of unused space and temporary quarters in attics in Germany to increase the number of adequate housing units available.

d. The recovery of appropriation (and reauthorization) of projects that were authorized in FY 86, but were not funded.

Program Summary

Authorization is requested for:

a. Line item authorization to:

(1) Upgrade 166 substandard units at Fort Benjamin Harrison, Indianna

(2) Upgrade and improve 4 substandard and 2 other units at Fort Indiantown Gap, Pennsylvania.

(3) Renew and improve 23 units at Fort Sam Houston, Texas.

(4) Renovate 3 units at Fort Myer, Virginia.

(5) Renew 48 units at Pusan, Korea.

(6) Increase the net square footage to 3,574 net square feet and renew one unit at Yongsan, Korea.

(7) Renew 144 units at Aschaffenburg, Germany.

(8) Improve one unit at Mainz, Germany.

(9) Convert unused attic space and upgrade 84 temporary units in various locations in Germany into 204 adequate units. Projects will create 120 new units. (Authorization requested in the New Construction Section, appropriation is included in Post Acquisition Construction.) Attic conversions will be accomplished as follows:

Military Community	New Units Created	Temporary Units Upgraded
Aschaffensburg	26	22
Bremerhaven	20	4
Karlsruhe	16	8
Kitzingen	56	46
Worms	2	4
TOTAL	120	84

b. Various improvements to existing public quarters.

c. Appropriation of $146,000,000 to fund these improvements.

d. Authorization to use available Energy Conservation Investment Funds of $15,671,000 for additional energy saving projects.

The FY 87 program supports 6 major concepts in the post acquisition construction area.

a. The first is a major thrust of the Army to renew the current inventory through a program of family housing renewal. This comprehensive program will provide total renewal of 2,641 existing housing units that have reached an age that requires major rehabilitation to prolong the life of the housing unit.

b. The second major area is a program to upgrade substandard family housing units through major whole house rehabilitation. There are five projects in the FY 87 program which will be accomplished under the substandard upgrade program and which will add 1124 units to the adequate inventory (140 substandard units will also be replaced with new construction).

c. The third area provides for improvements, such as air conditioning, additional bathrooms or added storage areas, to 3,202 family housing units not requiring whole house renewal. These units require partial improvements to bring them to contemporary standards, but do not require major rehabilitation as characterized in the other programs.

d. The fourth area is the renovation of older, larger quarters that are currently expensive to operate and maintain. The FY 87 program will modernize 4 units in order to reduce the operations and maintenance cost to a more acceptable level and provide units meeting contemporary standards.

e. The fifth area is conversion of attic space in Germany to adequate quarters and will be accomplished concurrently with renewal of older units in the same buildings. The FY 87 program will provide 204 adequate housing units. These projects will upgrade existing temporary units and create new units. Due to the unique concept of both renovation of existing assets and creation of new assets within a single building, appropriation of a single type of fund is requested. All attic conversion are being accomplished as a part of the renewal program. Accordingly, total funding has been requested in Post Acquisition Construction.

f. The sixth area is to improve energy efficiency through a continuation of the Energy Conservation Investment Program (ECIP) to provide the most cost effective energy reduction projects. These projects reduce energy consumption in 10,521 units and all conform to a payback period of less than 10 years. ECIP authorization is requested in order to utilize previously appropriated funding.

g. A total of 17,696 units are included in the FY 87 program.

The FY 87 Army Family Housing Post Acquisition Construction Program represents continued growth in one of the most important aspects affecting soldiers' lives. The Army has experienced difficulty in executing prior year programs; however, each year has shown an improvement in performance. Initial inertia has been overcome and the lessons learned from FY 84 and FY 85 enable an optimistic prediction of execution for FY 86. Current design status and execution schedules indicate that the submitted FY 87 program, at the requested amount, is awardable within FY 87.

A summary of the funding program for Fiscal Year 1987 follows:

Regular Improvements Program ($000)	Attic Conversions ($000)	Energy Conservation Investment Program ($000)	Requested Authorization Amount ($000)	Requested Appropriation Amount ($000)
134,100	11,900	15,671*	161,671	146,000

*Request Authorization only

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas	4. PROJECT TITLE Army Family Housing Post Acquisition Construction

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER	8. PROJECT COST ($000) 146,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Post Acquisition Construction Improvements	LS			134,100
Post Acquisition Construction Attic Conversions	LS			11,900
Projects qualifying for the Defense Energy Conservation Investment Program (ECIP)	LS			(15,671)
TOTAL				146,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

These projects will provide needed modernization of family housing units that do not meet contemporary criteria for liveability. Projects provide for renewal of existing public quarters by upgrading kitchens (to include dishwashers, garbage disposals and range hoods) and bathrooms, installation of new half-baths (where required), installation of central air conditioning and heating systems, relocation of ductwork above ceilings as required to prevent the possibility of termiticide contamination, exterior storage, carports, parking and patios.

Selected projects will eliminate the substandard condition in those units currently classified as substandard.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER

10. DESCRIPTION: (Continued)

Selected projects will increase the adequate inventory of family housing in Europe by converting temporary quarters and unused attic space into permanent dwelling units.

ECIP projects include wall and attic insulation, energy efficient light fixtures, and heat plant consolidations. Projects will meet DOD criteria for savings-to-investment ratio and payback. ECIP projects are requested for authorization only. Funds will be applied from unobligated prior year ECIP appropriations.

11. REQUIREMENT: The numerous acquisitions of the post war period have left a legacy of houses that are over thirty-five years old. The improvement requirements of the inventory have increased faster than prior year's programs have met. Consequently, there is an ongoing requirement to renew and upgrade quarters. These units are structurally sound, but age and obsolescence, as contemporary standards have evolved, require that a systematic improvement program be maintained. Several units have deteriorated support systems and size/functionality deficiencies that are not adequate for today's family. Several were originally authorized in FY 86, however; appropriation was not provided. Consequently, projects are resubmitted.

IMPACT IF NOT PROVIDED: Family housing units and supporting systems will continue to be used as is with increasing obsolescence and unnecessarily high energy use. Soldiers and their families will continue to live in quarters that are below accepted standards. This affects their duty performance and adversely impacts the Army's mission.

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Alabama			
Fort Rucker - Improve General Officer Quarters by construction of a two-car carport with integral storage. - 1 unit.	8		
Installation Total			8
Alaska			
Fort Greely - Improve Enlisted Quarters by construction of new baths and garages. Garages will have minimal heating. Project will provide an addition to existing buildings - 144 units.	5,700		
(Area cost factor is 2.70)			
Installation Total			5,700
Arizona			
Fort Huachuca - Renew Capehart units, Phase I. Renovate kitchens and bathrooms. Upgrade existing utilities, refinish interiors, and improve the exteriors by constructing patios and sidewalks. This is the first of a 3-phase program - 42 units.	867		
(Project was originally included in FY 86)			
Installation Total			867

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION

Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	CWE ($000) ECIP	 Total
California			
Fort Irwin - Improve energy efficiency of units by installing door weather stripping and hot water heater jackets in 505 units, adding attic insulation in 140 units, and replacing incandescent light fixtures with fluorescent lighting and blown-in wall insulation in 505 units. Savings to investment ratio: 2.01 Payback: 6.7 years Annual savings: $149,000 Request Authorization Only		(1,006)	
Fort Ord - Improve energy efficiency of units by installing roof insulation. - 100 units. Savings to investment ratio: 21.02 Payback: 9.9 years Annual Savings: $67,400 Request authorization only		(670)	

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	CWE ($000)	
		ECIP	Total
California			
Fort Ord (cont.) - Upgrade substandard quarters for junior enlisted personnel. Enclose porch areas to increase living area, add utility room, enclose a portion of carports to provide secure exterior storage; upgrade electrical service; install new furnaces and water heaters. Provide new dishwashers, garbage disposals and range hoods. Project will eliminate substandard conditions in 542 units. This is the 2nd phase of a 3-phase program - 542 units.	14,260		
(Project was originally included in FY 86)			
Improve utility service for a housing area by extending a water main to complete the system loop.	780		
Installation Total			15,040

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquition Construction	ECIP	CWE ($000) Total
Colorado			
Fort Carson - Improve enlisted quarters. Renovate kitchens, to include new dishwashers, garbage disposals and range hoods. Renovate baths. Construct carports with exterior storage and patios - 609 units.	6460		
(Project was originally included in FY 86)			
Installation Total			6460
DISTRICT OF COLUMBIA			
Walter Reed Army Medical Center - Renovate one set of General Officer Quarters to reduce the annual operating and maintenance (O&M) cost and bring unit to current standards. Install a new heating and air conditioning system and provide additional insulation in walls and ceilings; upgrade the electrical systems. Part of Army program to reduce annual O&M costs for General Officer Quarters and make them more efficient, 1 unit.			
(Separate DD Form 1391 is attached.)	99		
(Project was originally included in FY 86)			
Installation Total			99

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Hawaii			
Hickam Air Force Base- Improve quarters for officers and enlisted. Project includes eight general officer Quarters,(estimated average $26,200 each.) Renovate interiors, including kitchens and baths. Provide additional baths, improve closet/storage space and enlarge garage door openings - 51 units.	1350		
(Project was originally included in FY 86)			
Installation Total			1,350

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE	5. PROJECT NUMBER
Army Family Housing Post Acquisition Construction	

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Hawaii (Continued)			
Pearl Harbor - Improve enlisted quarters by renovating kitchens to include lighting, renovating bathrooms; replacing windows, window frames, and doors to improve security; installing solar screens throughout; and upgrading the electrical system. This is the 2d phase of a 4-phase project at Radford Terrace - 120 units.	2,125		
(Project was originally included in FY 86)			
Installation Total			2,125

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Hawaii (Continued)			
Tripler Army Medical Center - Renew adequate quarters by upgrading kitchens and bathrooms. Extend concrete privacy screens, construct lanai roofs, and insect screening, upgrade electrical system, and construct new carports - 166 units.	3,280		
Installation Total			3,280
Illinois			
Saint Louis Area Support Center - Improve General Officer Quarters by expanding the living and dining area into the existing garage. Construct new garage integral with the unit and expand patio and walk-way area. - 1 unit.	27		
Installation Total			27
Fort Sheridan - Improve quarters by installing central air conditioning including electrical system upgrade. (Project includes 4 General Officer Quarters estimated at $27,700 each) Project includes 74 historical units. - 518 units.	3,548		
Installation Total			3,548

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction		5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Indiana			
Fort Benjamin Harrison - Upgrade substandard quarters by combining and reconfiguring existing structures. Renovate kitchens to include new dishwashers, disposals and range hoods. Renovate baths and replace heating system with new heat/air conditioning system. Project will combine 270 units into 166 units within the existing structures.	4,753		
Insulate wall and ceilings. Install new energy efficient windows - 166 units. (Project deferred from FY 83 to be included with this whole house upgrade project.) ECIP project: Savings to investment ratio: 2.0 Payback: 9.03 years Annual savings: $138,129		(1,247)	
Projects were originally included in FY 86)			
(Separate DD Form 1391 is attached)			
Request authorization only			
Installation Total			4,753

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 Feb 86

3. INSTALLATION AND LOCATION

Various Locations - Continental and Overseas

4. PROJECT TITLE

Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE ($000) Total
Kansas Fort Riley - Upgrade substandard quarters for junior enlisted personnel by reconfiguration within existing buildings. Provide a new half bath, upgrade kitchens, to include new dishwashers, garbage disposals, range hoods, and new electrical distribution system. Improve landscaping and provide air conditioning. Project will eliminate substandard conditions by combining 146 substandard units into 128 adequate units. This the 2d phase of a 2-phase program - 128 units.	3,584		
(Project was originally included in FY 86)			
Installation Total			3,584
Kentucky Fort Campbell - Improve General Officer Quarters by constructing a garage that will replace an existing shed - 1 unit.	6		
Installation Total			6

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	**2. DATE** 14 Feb. 86
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction	**5. PROJECT NUMBER**	

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	CWE ($000) ECIP	Total
Kentucky (Continued)			
Fort Knox - Renewal of Wherry Housing for enlisted personnel to include central air conditioning. Construct one-half bath. Rearrange functionally and expand to improve liveability by providing new entrance way and laundry area. Upgrade kitchens to include dishwashers, garbage disposals, and range hoods. Increase insulation for sound attenuation. Exterior improvements include patios, exterior storage, privacy fencing, additional parking and landscaping. This is phase 4 of a 4-phase program - 146 units.	4,228		
(Project was originally included in FY 86)			
Installation Total			4,228
Maryland			
Aberdeen Proving Ground - Improve General Officer Quarters by providing window air conditioning. (Cost is $6,000 per dwelling unit.) - 3 units.	18		
Installation Total			18

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2. DATE
14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Maryland (Continued)			
Fort Meade - Upgrade substandard quarters for junior enlisted personnel. Reconfigure units to increase living area. Renovate kitchens to include new dishwashers, garbage disposals, and range hoods. Renovate baths, provide half-baths on ground level, replace heating system with a new heat/air conditioning system. Upgrade utilities, provide exterior storage, increase parking, new patios with privacy screens and landscaping. Project will combine 397 existing substandard units into 284 adequate units by reconfiguration within existing buildings. This is the 2d phase of a two-phase program. - 284 units.	7,381		
Installation Total			7,381

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction		5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Michigan			
Selfridge Air National Guard Base - Improve Sr. enlisted and company grade officer Capehart housing. Upgrade kitchens and baths, replace windows and doors, upgrade electrical system, enclose carports, provide new exterior storage, patios and privacy fencing - 378 units.	6,600		
(Project will convert 25 three bedroom units into four bedroom units)			
Installation Total			6,600

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

			CWE ($000)
	Post Acquisition Construction	ECIP	Total
New Jersey			
Fort Dix - Renewal of Wherry Housing for enlisted personnel. Rearrangement of interior spaces to improve liveability and functional use. Provide central air conditioning. Upgrade kitchens including new dishwashers, garbage disposals, and range hoods. Install half-bath and expand laundry area. Upgrade electrical and mechanical systems and restore interior finish. Eliminate 1-bedroom units by combining them into 3- and 4-bedroom units. Project will combine 282 units into 253 units. This is the 2d phase of a 3-phase program - 253 units.	7,310		
(Area Cost Factor is 1.03)			
(Project was originally included in FY 86)			
Installation Total			7,310

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE ($000) Total
New York United States Military Academy - Improve enlisted and officer quarters by constructing exterior storage sheds and carports - 447 units	1,631		
(Project was originally included in FY 86)			
Improve operating efficiency of quarters by replacing existing converted coal boilers with more efficient heat plants - 197 units Savings to investment ratio: 1.97 Payback: 7.0 years Annual savings: $124,268		(870)	
Request authorization only			
Installation Total			1631
North Carolina Fort Bragg - Improve enlisted quarters. Construct utility room additions for laundry area and hot water heaters. Renovate and expand kitchens - 381 units.	6,094		
Installation Total			6,094

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE	5. PROJECT NUMBER
Army Family Housing Post Acquisition Construction	

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
North Carolina (Continued) Military Ocean Terminal, Sunny Point - Improve quarters by relocating ductwork to prevent the possibility of termiticide contamination. (One unit is designated as a historic quarters, which had intra-slab ductwork installed in 1959. Estimate for this unit is $20,000) - 5 units.	60		
Installation Total			60
Oklahoma Fort Sill - Renew enlisted quarters. Renovate kitchens, including new dishwashers, garbage disposals and range hoods. Renovate bathrooms. Refinish interiors and upgrade mechanical systems. Construct patios and privacy fencing - 100 units.	2240		
(Project was originally included in FY 86)			
Installation Total			2,240

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Pennsylvania			
Fort Indiantown Gap - Upgrade 4 substandard quarters to adequate. Replace existing heating system, provide central air conditioning, renovate kitchens and baths. Construct closet area. Improve 2 other units with air conditioning. Project will upgrade 4 units and provide air conditioning for 6 units - 6 units.	166		
(Separate DD Form 1391 is attached)			
Improve energy efficiency of units at the Oakdale Support Element by replacing incandescent light fixtures with flourescent lighting - 124 units. Savings to investment ratio: 1.28 Payback: 8.6 years Annual savings: $13,000		(113)	
(Request ECIP authorization only)			
Installation			166

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER	

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE ($000) Total
Texas Fort Bliss- Improve energy efficiency by providing FM controls on evaporative coolers-3643 units. Saving to investment ratio: 1.81 Payback: 6.5 years Annual Savings: $97,991		(644)	

Request authorization only

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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	CWE ($000) ECIP	CWE ($000) Total
Texas (Continued)			
Fort Sam Houston - Renew Senior officer and General Officer Quarters. Upgrade kitchens, baths, and utility systems, provide central air conditioning, replace heating system, upgrade electrical system and perform concurrent maintenance and repair in 6 General Officer Quarters and 9 Senior Officer Quarters. Enclose porches (without heat or air conditioning). Project will also provide central air conditioning with heating system replacement and electrical upgrade to 1 General Officer Quarters, 4 Senior officer quarters, and 3 Company grade quarters - 23 units.	930		
(Separate DD Form 1391 is attached.)			
Improve energy efficiency by installing FM controls on air conditioning units (project includes nine General Officer Quarters) - 880 units.		(210)	
Savings to investment ration: 2.3 Annual savings: $79,000			
Request authorization only			
Installation Total			930

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION

Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Virginia			
Fort Belvoir - Improve enlisted, senior enlisted, and field grade officer units by providing central air conditioning. Project will include electrical system upgrade - 441 units.	3,554		
Installation Total			3,554
Fort Myer- Renovate historic General Officer Quarters. Provide central air conditioning, including electrical upgrade for Qtrs. No. 2, 27A, 27B - 3 units	140		
(Separate DD Form 1391 is attached.)			
Installation Total			140
USA TOTAL		(4,760)	87,199

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE ($000) Total
Japan Sagami General Depot -Improve energy efficiency by installing ceiling and wall insulation - 53 units. Savings to investment ratio: 1.6 Payback: 9.0 yrs Annual savings: $23,300 Request authorization only		(210)	
Sagamihara Dependent Housing Area - Renew quarters, renovate kitchens and baths, reconfigure bedrooms. Construct stairways, foyer, powder, laundry/utility rooms. Provide additional sound proofing and upgrade utility systems - 18 units. (Area Cost Factor is 1.09)	500		
Improve energy efficiency by installing wall and ceiling insulation. Project includes one GOQ estimated at $5,000. -537 units. Savings to investment ratio: 2.3 Payback: 6.1 yrs. Annual savings: $383,900 Request authorization only		(2,350)	
Installation Total			500

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

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Various Locations - Continental and Overseas

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Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Japan (continued)			
Camp Zama - Improve General Officer Quarters. Construct patio enclosure and repair roof over patio - 1 unit.	12		
Improve energy efficiency by installing wall and ceiling insulation - 128 units Savings to investment ratio: 1.47 Payback: 9.6 yrs. Annual savings: $60,500		(580)	
Request authorization only			
Improve energy efficiency by installing wall and ceiling insulation. Project includes two GOQ's estimated at $5,000 per unit. - 100 units. Savings to investment ratio: 2.18 Payback: 6.4 years Annual savings: $77,800		(500)	
Request authorization only			
Installation Total			12
Japan Total		(3640)	512

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

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Various Locations - Continental and Overseas

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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE ($000) Total
Korea			
Pusan - Renew quarters to install dishwashers, upgrade baths, install central air conditioning, upgrade electrical system, new exterior finish, replace doors, additional storage, and refinish interior - 48 units.	2,237		
(Separate DD Form 1391 is attached.)			
Pusan - Improve quarters by providing exterior storage sheds - 98 units This project includes the 48 units being renewed and will be done at the same time.	358		
(Project was originally included in FY 86)			
Installation Total			2,595
Korea			
Yongsan - Renew General Officer Quarters. Renovate bathroom, enlarge pantry area, replace heating system, install air conditioning, expand dining area to increase net square footage. - 1 unit.	70		
(Separate DD Form 1391 is attached.)			
Installation Total			70
Korea Total			2,665

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

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Various Locations - Continental and Overseas

4. PROJECT TITLE
Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Note all projects in Germany are priced at $1 = 2.46 DM)			
Aschaffenburg - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize bathrooms. Replace heating systems as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings and floors. This is the 2d phase of a multi-phase housing renewal program - 144 units.	5,120		
(Separate DD Form 1391 is attached.)			
Convert attic space to adequate permanent units. Renovate existing temporary quarters and create new units in unused space. Project will be done in conjunction with above renewal project, affecting the same buildings - 48 units.	2,800		
(Separate DD Form 1391 is attached.)			
Installation Total			7,920

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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	CWE ($000) ECIP	CWE ($000) Total
Germany			
Bremerhaven - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating system and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings and floors. Project is the 1st phase of a multi-phase housing renewal program - 72 units.	2,025		
Convert attic space to adequate permanent units. Renovate existing temporary quarters and create new units in unused space. Project will be done in conjunction with above renewal project, affecting the same buildings - 24 units. (Separate DD Form 1391 is attached.)	1,400		
Installation Total			3,425

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Various Locations - Continental and Overseas

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Army Family Housing Post Acquisition Construction

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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued)			
Frankfurt - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 4th phase of a multi-phase housing renewal program - 340 units.	7,770		
(Project was originally included in FY 86)			
Installation Total			7,770

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
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4. PROJECT TITLE Army Family Housing Post Acquisition Construction		5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued) Giessen - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 2d phase of a multi-phase housing renewal program - 198 units.	4,485		
(Project was originally included in FY 86)			
Improve energy efficiency by consolidating individual heating plants to a central system. 152 units Savings to investment ratio: 3.0 Payback: 4.3 years Annual savings $154,000		(793)	
Request authorization only			
Installation Total			4,485

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued) Heidelberg - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 1st phase of a multi-phase housing renewal program - 54 units.	1,555		
(Project was originally included in FY 86)			
Installation Total			1,555

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
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4. PROJECT TITLE Army Family Housing Post Acquisition Construction		5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued) Hohenfels - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 1st phase of a multi-phase housing renewal program - 6 units.	160		
Installation Total			160
Karlsruhe - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 3d phase of a multi-phase housing renewal program - 96 units.	1,565		
Convert attic space to adequate permanent units. Renovate existing temporary quarters and create new units in unused space. Project will be done in conjuction with above renewal project, affecting the same buildings - 24 units.	1,400		
(Separate DD Form 1391 is attached.)			
Installation Total			2,965

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
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Various Locations - Continental and Overseas

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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued)			
Kitzingen - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 2d phase of a multi-phase housing renewal program - 306 units.	6,895		
Convert attic space to adequate permanent units. Renovate existing temporary quarters and create new units in unused space. Project will be done in conjunction with above renewal project, affecting the same buildings - 102 units.	5,950		
(Separate DD Form 1391 is attached.)			
Installation Total			12,845

1. COMPONENT
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Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued)			
Mainz			
Improve General Officer Quarters. Existing building is well below the area authorized by law. Project will construct a building addition to increase the living and entertainment areas - 1 unit.	69		
(Separate DD Form 1391 is attached.)			
Installation Total			69

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued)			
Mannheim - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 3rd phase of a multi-phase housing renewal program - 198 units.	4,830		
(Project was originally included in FY 86)			
Installation Total			4,830

1. COMPONENT
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Army Family Housing Post Acquisition Construction

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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued)			
Nuernberg-(Erlangen) - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 4th phase of a multi-phase housing renewal program - 216 units.	4,260		
(Project was originally included in FY 86)			
(Kalb housing area) Improve energy efficiency by installing attic and ceiling insulation - 1342 units.		(2,708)	
Savings to investment ratio: 3.0 Payback: 5.5 years Annual savings: $398,000			
Request authorization only			
Installation Total			4,260
Wiesbaden - Improve energy efficiency by installing roof insulation and double glazed windows -2,594 units		(3,770)	
Savings to investment ratio: 5.8 Payback: 2.9 years Annual savings: $1,063,000			
Request authorization only			

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION

Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Germany (Continued)			
Worms - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans. Modernize baths. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbing systems. Refinish interior walls, ceilings, and floors. Project is the 4th phase of a multi-phase housing renewal program - 54 units.	1220		
Convert attic space to adequate units. Renovate existing temporary quarters and create new units in unused space. Project will be done in conjunction with above renewal project, affecting the same buildings - 6 units.	350		
(Separate DD Form 1391 is attached.)			
Installation Total			1570

1. COMPONENT
ARMY

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

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3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

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Army Family Housing Post Acquisition Construction

5. PROJECT NUMBER

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project	Post Acquisition Construction	ECIP	CWE ($000) Total
Wuerzburg - Renew quarters by renovating kitchens, including dishwashers and range hoods/exhaust fans, cabinet and counter replacement. Modernize baths. Replace wardrobes and miscellaneuous storage cabinets. Replace heating systems and install thermostatic valves as required. Upgrade electrical and plumbling systems. Refinish interior walls, floors and ceilings. Project is the 1st phase of a multi-phase housing renewal program - 160 units.	3,770		
(Project was originally included in FY 86)			
Installation Total			3,770
Germany Total		(7,271)	55,624
Overseas Total		(10,911)	58,801
Total U.S. and Overseas		(15,671)	146,000

Note: Authorization without Appropriation is requested for the $15,671,000 in ECIP projects.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Walter Reed Army Medical Center Washington, DC	4. PROJECT TITLE Renovate General Officer Quarters

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 129	8. PROJECT COST ($000) 99

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility:	EA	1	85,000	85
Renovate facility including concurrent maintenance and repairs				
Subtotal				85
Contingency (10%)				9
Total Contract Cost				94
Supervision, Inspection & Overhead (5.5%)				5
Total Request				99

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Quarters 1 is a three-story brick structure, built in 1910. The renovation will include the replacement of the original steam radiator heating system, and window air conditioning units with a central heating/cooling system. To reduce the energy consumption, the windows on the first and second floors will be refitted with energy efficient windows and receive weatherstripping and the exterior wall surfaces will be insulated from the interior. The entire third floor will be closed off to reduce the net living area to 3,378 square feet and to reduce the annual operating/maintenance costs. (Project was originally included in FY 86)

11. REQUIREMENT:

PROJECT: This project is required to replace the heating and cooling system, make the quarters more energy efficient, modernize the quarters, and reduce the annual operations and maintenance costs. Based on economic factors, benefit to cost, suitability of use, and ease of construction, it is more feasible to modernize the structure for continued family housing use than to replace with new construction. Area Cost Factor =1.03

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Walter Reed Army Medical Center, Washington, DC

4. PROJECT TITLE Renovate General Officer Quarters	5. PROJECT NUMBER 129

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Quarters 1 was constructed in 1910, has the original heating system, and needs to be modernized. The system does not work effectively or efficiently and must be replaced to allow continued occupancy. The noise in the heating system (water hammer) caused by restricted steam flow and trapped condensation is unbearable at various times. Chemical cleaning is not feasible due to the poor condition of the piping. The building is cooled with 12 window air conditioning units, the walls and attic do not contain sufficient insulation or vapor barrier, and many windows are old, deteriorated, and permit large quantities of heat loss. Replacement of the total HVAV system is the wise engineering decision.

IMPACT IF NOT PROVIDED: Quarters cannot provide adequate heating and cooling to assure occupancy. The quarters will continue to present an expensive operations and maintenance cost without providing adequate present day living standards.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Fort Benjamin Harrison, Indiana	4. PROJECT TITLE Upgrade Substandard Housing

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 135H	8. PROJECT COST ($000) 6,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility	FA	166	21,055	3495
Reconfigure and Upgrade substandard units				
Energy Conservation Investment	FA	166	6,473	1075
Support Facilities				600
Utility upgrade	LS		50,000	(350)
Site Improvements	LS		50,000	(250)
Subtotal				5170
Contingency (10%)				517
Total Contract Cost				5687
Supervision, Inspection and overhead (5.5%)				313
Total Request				6000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will reconfigure 270 existing substandard units into 166 permanent adequate units within existing structures. Work will include kitchen and bath renovation, installation of air conditioning, replacement of heating system, relocation of in-slab ductwork to avoid the possibility of termiticide contamination, interior reconfiguration and refinishing and upgrade of utility systems. Exterior storage, patios and increased parking, as required, will also be included. Project was originally requested in FY 1986. (Area cost factor is 1.07) Energy Conservation Investment Funding will be provided from prior year unobligated balances.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Fort Benjamin Harrison, Indiana

4. PROJECT TITLE Upgrade Substandard Housing	5. PROJECT NUMBER 135H

11. REQUIREMENT FOR CONSTRUCTION:

PROJECT: This project is required to eliminate existing substandard, crowded conditions and to modernize existing facilities. Upon completion of this project, the 166 units will have an extended economic life of approximately 25 years.

CURRENT SITUATION: Families are crowded into quarters. Units have insufficient storage space, inadequate kitchen and bathroom facilities, antiquated heating systems, no air conditioning, and insufficient electrical service. The possibility of termiticide contamination within the units exists.

IMPACT IF NOT PROVIDED: If this project is not accomplished, assigned soldiers and their families will be required to live in quarters that are below accepted standards. This would impair functioning in their assigned duties and adversely impact on the installation's mission.

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Fort Indiantown Gap, Pennsylvania	4. PROJECT TITLE Upgrade Substandard Housing

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 37H	8. PROJECT COST ($000) 166

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility:				
Upgrade substandard units (including air conditioning)	FA	4	30,000	120
Install Central Air Conditioning	FA	2	8,000	16
Support Facilities				7
Utility upgrade	LS			(2)
Site improvement	LS			(5)
Subtotal				143
Contingency (10%)				14
Total Contract Cost				157
Supervision, inspection, & overhead (5.5%)				9
Total Request				166

10. DESCRIPTION OF PROPOSED CONSTRUCTION Upgrade four substandard units to adequate by renovating kitchens and bathrooms, increasing closet and storage areas, upgrading plumbing systems, replacing the heating system with a new central heat and air conditioning system. Improve the landscaping and exterior areas. In two adequate units install air central air conditioning. (Area cost factor is 1.07)

11. REQUIREMENT:

PROJECT: This project is required to eliminate existing substandard conditions and to modernize existing facilities. Upon completion of this project, the four units will have an economic life of approximately 25 more years. Additionally, two units will have air conditioning.

CURRENT SITUATION: Units are occupied by enlisted and non-commissioned officer personnel. Units have insufficient storage space, inadequate kitchen and bathroom facilities, antiquated heating systems, no air conditioning, and insufficient electrical service, parking, and recreational facilities.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Fort Indiantown Gap, Pennsylvania		
4. PROJECT TITLE Upgrade Substandard Housing		5. PROJECT NUMBER 37H

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not accomplished, assigned enlisted soldiers, and their families will be required to live in quarters that are below accepted standards. This would impair functioning in their assigned duties and adversely impact on the installation's mission.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Fort Sam Houston, Texas	4. PROJECT TITLE Renew Officer Quarters

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 143H	8. PROJECT COST ($000) 930

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility:				
Renew GOQ's with additional bath and A/C	FA	3	45,430	136
Renew 3 GOQ's and 9 SR Officer quarters and provide A/C	FA	12	38,500	462
Provide new HVAC to 1 GOQ	FA	1	26,000	26
Provide new HVAC to 3 Sr. and 4 Co. Grade officer quarters	FA	7	25,250	177
Subtotal				801
Contingency (10%)				81
Total Contract Cost				882
Supervision, Inspection, & Overtime (5.5%)				48
Total Request				930

10. DESCRIPTION OF PROPOSED CONSTRUCTION Project will renew 6 General Officer Quarters (GOQ's) and 9 Sr. Officer Quarters by upgrading kitchens and baths, enclosing rear porches, replacing electrical and mechanical systems. The heating system will be replaced to include installation of a new central air conditioning system. Additionally, 3 GOQ's will receive a new full bathroom to meet criteria. Upon completion of this project, these 15 units will have an economic life of approximately 25 more years. Units were constructed in 1881. This project will also replace the heating system and provide central air conditioning in 1 GOQ, 3 Sr. Officer Quarters, and 4 Company Grade officer quarters constructed between 1932 and 1934. (Area cost factor is .86) The units in this project are on the Historic Register.

11. REQUIREMENT:
PROJECT: This project is required to correct deteriorated systems, improve quality of life, and increase operating efficiency of 23 officer quarters.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION
Fort Sam Houston, Texas

4. PROJECT TITLE Renew Officer Quarters	5. PROJECT NUMBER 143H

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Units have deteriorated mechanical systems and fixtures, yet remain structurally sound. Units have inadequate kitchen and bathroom facilities, antiquated heating systems, and insufficient electrical and plumbing service.

IMPACT IF NOT PROVIDED: If this project is not accomplished, assigned soldiers and their families will be required to live in quarters that are below accepted standards. This would impair functioning in their assigned duties and adversely impact on the installation mission.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Fort Myer, Virginia	4. PROJECT TITLE Renovate Historic General Officer Quarters

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 128H	8. PROJECT COST ($000) 140

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility:				
Replace heating system and window air conditioning with central system - Qtrs. 2	FA	1	35,000	35
Replace heating system and window air condition with central system - Qtrs. 27 A & B	FA	2	30,000	60
Upgrade electrical and repair water system.	LS		25,000	25
Subtotal				120
Contingency (10%)				12
Total Contract Cost				132
Supervisor, Inspection, & Overhead (5.5%)				8
Total Request				140

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will replace deteriorated heating ventilation and air conditioning (window unit) system (HVAC) with an efficient central HVAC system. Project will upgrade deteriorated mechanical and electric system in three General Officer Quarters located in an Historic District. (Area cost factor is 1.03)

REQUIREMENT:
PROJECT: The units were constructed in 1899 (Qtrs. 2) and 1903 (Qtrs. 27 A & B). The heating and air conditioning that was subsequently installed has deteriorated, making operational costs increase.

CURRENT SITUATION: General Officers are residing in units that have inefficient HVAC systems making units uncomfortable and expensive to operate.

IMPACT IF NOT PROVIDED: Senior leaders of the Army and their families will be required to live in quarters that do not provide acceptable living conditions. This would impact on functioning of assigned duties, including responsibility for official entertainment.

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1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Pusan, Korea	4. PROJECT TITLE Renew Housing

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 1227	8. PROJECT COST ($000) 2,237

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange Rate - 850 won = $1.00				
Primary Facility:				
Renew quarters	FA	48	40,146	1,927
Subtotal				1,927
Contingency (10%)				193
Total Contract Cost				2,120
Supervision, Inspection, & Overhead (5.5%)				117
Total Request				2,237

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will renew 48 Officer, Senior Enlisted and Civilian quarters in the Hialeah housing area at Pusan. Project will install dishwashers, upgrade baths, replace deteriorated plywood walls and ceilings, upgrade electrical and plumbing systems, ductwork will be repaired/replaced, asbestos insulation will be removed, and central air conditioning will be provided. (Area cost factor is .91)

11. REQUIREMENT:

PROJECT: This project is required to eliminate existing hazardous living conditions and to modernize existing facilities. Upon completion of this project, the 48 units will have an economic life of approximately 25 more years.

CURRENT SITUATION: Families are living in quarters that are a fire hazard. Units have insufficient storage inadequate kitchen / bathroom facilities, antiquated heating systems, no air conditioning, and insufficient electrical service. Plumbing system is approaching the point of total failure.

1. COMPONENT **ARMY**	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Pusan, Korea		
4. PROJECT TITLE Renew Housing		5. PROJECT NUMBER 1227

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not accomplished, assigned soldiers and civilians and their families will be required to live in quarters that are hazardous to their safety, and below accepted standards. This would impair functioning in their assigned duties and adversely impact on the installation's mission.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Yongsan, Korea	4. PROJECT TITLE Renew General Officer Quarters

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 15322	8. PROJECT COST ($000) 70

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange Rate - 850 won = $1.00				
Primary Facility:				
Renew and expand General Officer Quarters	FA	1	60,000	60
Subtotal				60
Contingency (10%)				6
Total Contract Cost				66
Supervision, Inspection, & Overhead (5.5%)				4
Total Request				70

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will improve, expand and renew the General Officer Quarters occupied by Commander-in-Chief, Eighth U.S. Army, Korea. Work includes creation of a pantry area, additional kitchen cabinets, renovation of one bathroom, replacement and consolidation of heating, ventilation, and air conditioning systems (including replacement of ductwork), expansion of the dining room, and new exterior wall and ceiling insulation. (Area cost factor is .91)

Note: Expansion of the dining area will increase net living area by 174 square feet. Total net living area will be 3574 square feet.

11. REQUIREMENT:

PROJECT: This project is required to increase the operating efficiency of the CINC's quarters. Upon completion of this project, this unit will have an economic life of approximately 25 more years.

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1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Yongsan, Korea	
4. PROJECT TITLE Renew General Officer Quarters	5. PROJECT NUMBER 15322

11. REQUIREMENT: (Continued)

CURRENT SITUATION: Present kitchen and dining areas are inefficient to support the responsibilities of the occupant, HVAC is outmoded and costly to operate, quarters are not adequately insulated.

IMPACT IF NOT PROVIDED: The unit will continue to be expensive to operate and maintain, and many official functions will be restricted.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Aschaffenburg, Germany	4. PROJECT TITLE Renew Family Housing

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 14159	8. PROJECT COST ($000) 5,120

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange Rate - DM 2.46 = $1.00				
Primary Facility:				
Renew Quarters	FA	144	30,639	4,412
Subtotal				4,412
Contingency (10%)				441
Total Contract Cost				4,853
Supervision, Inspection & Overhead (5.5%)				267
Total Request				5,120

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will renew quarters and provide major repairs to deteriorated components. Work will include exterior items and stair well upgrade in eight buildings. Replace water lines, heating system, and sewer lines. Renovate kitchens and baths, upgrade electrical system and refinish all interior surfaces. (Area cost factor is 1.17)

11. REQUIREMENT:

PROJECT: This project is required to eliminate existing inadequate and deteriorated conditions and to modernize existing facilities. Upon completion of this project, the 144 units will have an economic life of approximately 25 more years.

CURRENT SITUATION: Units have inadequate kitchen and bathroom facilities, antiquated heating systems, and insufficient electrical service. Several components have deteriorated to a failing condition.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Aschaffenburg, Germany		
4. PROJECT TITLE Renew Family Housing		5. PROJECT NUMBER 14159

11. REQUIREMENT: (Continued)

IMPACT IF NOT PROVIDED: If this project is not accomplished, assigned soldiers and their families will be required to live in quarters that are below accepted standards. This would impair functioning in their assigned duties and adversely impact on the installation's mission.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Aschaffenburg, Germany	4. PROJECT TITLE Convert Family Housing Attic Space

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 15227	8. PROJECT COST ($000) 2,800

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange: DM 2.46 = $1.00				
Primary Facility:				
Plumbing, heating, electrical, kitchen, baths, roofs, and reconfigure walls	EA	48	45,000	2,160
Support Facilities:				
Paving and site work	LS			253
Subtotal				2,413
Contingency (10%)				241
Total Contract Cost				2,654
Supervision, Inspection, & Overhead (5.5%)				146
Total Request				2,800

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert unused attic space and 22 existing temporary quarters into 48 adequate two-bedroom dwelling units, complete with kitchens and full bathrooms. Project will produce units as follows:

	New Units Created	Temp. Units Upgraded	Total
Attic Conversion Project:	26	22	48

Note: Project will be accomplished concurrently with FY 87 project to renew 144 units. This project will convert attics in same buildings as the renewal project.

Scope includes removal and replacement of existing plumbing, heating, and lighting fixtures; upgrade of utility systems and services as required; all finish work; and renovation of roof to include the addition of balconies. Government furnished equipment to include refrigerator, washer, dryer, range, smoke detector, dishwasher, and garbage disposal. Provide bulk storage.

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 Feb 86

3. INSTALLATION AND LOCATION

Aschaffenburg, Germany

4. PROJECT TITLE	5. PROJECT NUMBER
Convert Family Housing Attic Space	15227

10. DESCRIPTION: (Continued)
Paving to include parking area and sidewalks. Attic conversion will be accomplished concurrently with major improvement project. Due to the nature of the work, which requires the existing units to be completely dismantled and reconfigured, there is no significant cost differential between the creation of a new unit and the upgrade of an existing temporary unit in this project.

11. REQUIREMENT:
PROJECT: Convert family housing temporary dwelling units and play rooms into permanent dwelling units. This project will provide 48 adequate 2-bedroom dwelling units, for junior enlisted personnel and families in the Aschaffenburg area.
REQUIREMENT: The Aschaffenburg community has a requirement to house 1,924 families. To satisfy the need, there are only 995 government controlled units and 394 off-post adequate economy rental units. Sufficient housing is not available to house the remaining 535 families. These families are either separated for lack of housing or are occupying inadequate off-post private rental units. This project provides needed additional housing units in the most economical manner possible.
CURRENT SITUATION: The community has a shortfall of 535 family housing units for military families. The local economy has insufficient units to supply the demand placed on it by local workers and military personnel. Some military personnel travel long distances to locate housing, resulting in excessive travel time, expense and inconvenience. In addition, many families suffer long separations, because of the housing shortage. Current waiting period for family housing is 75 weeks.
IMPACT IF NOT PROVIDED: If this project is not accomplished, families will be required to live in off-post substandard housing. Furthermore, family separations would continue due to the unavailability of adequate housing. These factors will contribute to low morale and reduced performance by soldiers in their assigned duties, impacting on installation missions.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Aschaffenburg, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	192	2393	2585	211	2092	2303
6. LESS: VOLUNTARY SEPARATIONS	5	432	437	5	374	379
7. EFFECTIVE HOUSING REQUIREMENTS	187	1961	2148	206	1718	1924
8. LESS: ADEQUATE HOUSING	179	1069	1248	186	1203	1389
A. UNDER MILITARY CONTROL	129	734	863	132	863	995
(1) Existing	125	493	618	128	527	655
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	4	241	245	4	336	340
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	50	335	385	54	340	394
(1) Owned Houses	0	0	0	0	0	0
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	50	335	385	50	335	385
(4) Vacant Rental Housing				4	5	9
9. EFFECTIVE HOUSING DEFICIT	8	892	900	20	515	535
A. INVOLUNTARILY SEPARATED FAMILIES	3	435	438			
B. SUBSTANDARD HOUSING	3	446	449			
C. EXCESS DISTANCE HOUSING	2	11	13			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	26	26
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			64.1	51.7	53.1
	ALL HOUSING			90.3	71.5	73.5

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 38 units vacant at the time the survey was conducted.

Line 10 Proposed Project: Convert unused attic space into 26 2 bedroom Junior Enlisted quarters and improve 22 temporary units into adequate facilities.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Bremerhaven, Germany	4. PROJECT TITLE Convert Family Housing Attic Space

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 15576	8. PROJECT COST ($000) 1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange: DM 2.46 = $1.00				
Primary Facility:				
Plumbing, heating, electrical, kitchen, baths, roofs, reconfigure walls	EA	24	45,000	1,080
Support Facilities:				
Paving and site work	LS			126
Subtotal				1,206
Contingency (10%)				121
Total Contract Cost				1,327
Supervision, Inspection, & Overhead (5.5%)				73
Total Request				1,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION Convert unused attic space and 4 existing temporary quarters into 24 adequate two-bedroom dwelling units, complete with kitchens and full bathrooms. Project will produce units as follows:

	New Units Created	Temp. Units Upgraded	Total
Attic Conversion Project:	20	4	24

Note: Project will be accomplished concurrently with FY 87 project to renew 72 units. This project will convert attics in same buildings as the renewal project.

Scope includes removal and replacement of existing plumbing, heating, and lighting fixtures; upgrade of utility systems and services as required; all finish work; and renovation of roof to include the addition of balconies. Government furnished equipment to include refrigerator, washer, dryer, range, smoke detector, dishwasher, and garbage disposal. Provide bulk storage.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Bremerhaven, Germany		
4. PROJECT TITLE Convert Family Housing Attic Space		5. PROJECT NUMBER 15576

10. DESCRIPTION: (Continued)
Paving to include parking area and sidewalks. Attic conversion will be accomplished concurrently with major improvement project. Due to the nature of the work, which requires the existing units to be completely dismantled and reconfigured, there is no significant cost differential between the creation of a new unit and the upgrade of an existing temporary unit in this project.

11. REQUIREMENT:
PROJECT: This project provides 24 two-bedroom adequate permanent dwelling units for junior enlisted families in the Bremerhaven area.
REQUIREMENT: The Bremerhaven community has a current requirement to house 2957 families. To satisfy this need, there are only 1844 government controlled units and 898 off-post adequate economy rental units. The community has a projected deficit of 250 housing units for soldiers' families.
CURRENT SITUATION: Currently, there are 139 military members involuntarily separated from their families due to a lack of adequate housing and an additional 76 who are either commuting excessive distances or living in substandard economy housing.
IMPACT IF NOT APPROVED: If this project is not accomplished, families will be required to live in off-post substandard housing. Furthermore, family separations would continue due to the unavailability of adequate housing. These factors will contribute to low morale and reduced performance by soldiers in their assigned duties, impacting on installation missions.

1. DATE	2. FISCAL YEAR		3. DEPARTMENT
14 Feb 86	1987	MILITARY FAMILY HOUSING JUSTIFICATION	ARMY

4. INSTALLATION AND LOCATION
Bremerhaven, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	365	3019	3384	510	2963	3473
6. LESS: VOLUNTARY SEPARATIONS	18	409	427	25	399	424
7. EFFECTIVE HOUSING REQUIREMENTS	347	2610	2957	485	2564	3049
8. LESS: ADEQUATE HOUSING	336	2406	2742	345	2454	2799
A. UNDER MILITARY CONTROL	228	1616	1844	237	1656	1893
(1) Existing	98	566	664	103	594	697
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	130	1050	1180	134	1062	1196
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	108	790	898	108	798	906
(1) Owned Houses	0	4	4	0	4	4
(2) Owned Trailers	0	1	1	0	1	1
(3) Occupied Rental Housing	108	785	893	108	785	893
(4) Vacant Rental Housing				0	8	8
9. EFFECTIVE HOUSING DEFICIT	11	204	215	140	110	250
A. INVOLUNTARILY SEPARATED FAMILIES	6	133	139			
B. SUBSTANDARD HOUSING	5	59	64			
C. EXCESS DISTANCE HOUSING	0	12	12			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	20	20
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			48.9	65.4	62.7
	ALL HOUSING			71.1	96.5	92.5

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 49 units vacant at the time the survey was conducted.

Line 10 Proposed Project: Convert unused attic space into 20 2 bedroom Junior Enlisted quarters and improve 4 temporary units into adequate facilities.

DD FORM 1 DEC 78 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Karlsruhe, Germany	4. PROJECT TITLE Convert Family Housing Attic Space

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 1532	8. PROJECT COST ($000) 1,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange: DM 2.46 = $1.00				
Primary Facility:				
Plumbing, heating, electrical, kitchen baths, roofs, reconfigure walls	EA	24	45,000	1,080
Support Facilities:				
Paving and site work	LS			126
Subtotal				1,206
Contingency (10%)				121
Total Contract Cost				1,327
Supervision, Inspection, & Overhead (5.5%)				73
Total Request				1,400

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert unused attic space and 8 existing temporary quarters into 24 adequate two-bedroom dwelling units, complete with kitchens and full bathrooms. Project will produce units as follows:

	New Units Created	Temp. Units Upgraded	Total
Attic Conversion Project:	16	8	24

Note: Project will be accomplished concurrently with FY 87 project to renew 96 units. This project will convert attics in same buildings as the renewal project.

Scope includes removal and replacement of existing plumbing, heating, and lighting fixtures; upgrade of utility systems and services as required; all finish work; and renovation of roof to include the addition of balconies. Government furnished equipment to include refrigerator, washer, dryer, range, smoke detector, dishwasher, and garbage disposal. Provide bulk storage.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION

Karlsruhe, Germany

4. PROJECT TITLE Convert Family Housing Attic Space	5. PROJECT NUMBER 1532

10. DESCRIPTION: (Continued)
Paving to include parking area and sidewalks. Attic conversion will be accomplished concurrently with major improvement project. Due to the nature of the work, which requires the existing units to be completely dismantled and reconfigured, there is no significant cost differential between the creation of a new unit and the upgrade of an existing temporary unit in this project.

11. REQUIREMENT:
PROJECT: This project will provide 24 2-bedroom adequate dwelling units for junior enlisted personnel and their families in the Karlsruhe Military Community.
REQUIREMENT: This project is needed to capitalize on wasted unused space, consolidate families in the existing family housing area, reduce the current shortage of family housing, and reduce the number of leased family housing units over the next few years.
CURRENT SITUATION: The Karlsruhe community currently has 377 families that are either unsuitably housed or involuntarily separated. The local economy has insufficient units to support the current demand placed on it by local workers and military personnel. Some soldiers are forced to travel long distances in order to reside in adequate quarters and several families are forced into long separations while awaiting quaters.
IMPACT IF NOT PROVIDED: If this project is not provided, the existing temporary quarters and unused areas will continue to be under-utilized. Also, soldiers will continue to be separated from their families or be required to live in substandard economy assets.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army

4. INSTALLATION AND LOCATION

Karlsruhe, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	247	2815	3062	214	2372	2586
6. LESS: VOLUNTARY SEPARATIONS	12	221	233	13	184	197
7. EFFECTIVE HOUSING REQUIREMENTS	235	2594	2829	201	2188	2389
8. LESS: ADEQUATE HOUSING	219	2233	2452	224	2322	2546
A. UNDER MILITARY CONTROL	171	1391	1562	175	1470	1645
(1) Existing	159	1104	1263	163	1128	1291
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	12	287	299	12	342	354
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	48	842	890	49	852	901
(1) Owned Houses	0	1	1	0	1	1
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	48	841	889	48	841	889
(4) Vacant Rental Housing				1	10	11
9. EFFECTIVE HOUSING DEFICIT	16	361	377	-23	-134	-157
A. INVOLUNTARILY SEPARATED FAMILIES	16	313	329			
B. SUBSTANDARD HOUSING	0	38	38			
C. EXCESS DISTANCE HOUSING	0	10	10			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	16	16
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			87.1	67.9	69.5
	ALL HOUSING			111.4	106.9	107.2

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 28 units vacant at the time the survey was conducted.

Line 10 Proposed Project: Convert unused attic space into 16 2 bedroom Junior Enlisted quarters and improve 8 temporary units into adequate facilities.

DD FORM 1 DEC 76 1523 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Kitzingen, Germany	4. PROJECT TITLE Convert Family Housing Attic Space

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 1533	8. PROJECT COST ($000) 5,950

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange: DM 2.46 = $1.00				
Primary Facility:				
Plumbing, heating, electrical, kitchen baths, roofs, reconfigure walls	EA	102	45,000	4,590
Support Facilities:				
Paving and site work	LS			537
Subtotal				5,127
Contingency (10%)				513
Total Contract Cost				5,640
Supervision, Inspection, & Overhead (5.5%)				310
Total Request				5,950

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Convert unused attic space and 46 existing temporary quarters into 102 adequate two-bedroom dwelling units, complete with kitchens and full bathrooms. Project will produce units as follows:

	New Units Created	Temp. Units Upgraded	Total
Attic Conversion Project:	56	46	102

Note: Project will be accomplished concurrently with FY 87 project to renew 306 units. This project will convert attics in same buildings as the renewal project.
Scope includes removal and replacement of existing plumbing, heating, and lighting fixtures; upgrade of utility systems and services as required; all finish work; and renovation of roof to include the addition of balconies. Government furnished equipment to include refrigerator, washer, dryer, range, smoke detector, dishwasher, and garbage disposal. Provide bulk storage.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION

Kitzingen, Germany

4. PROJECT TITLE Convert Family Housing Attic Space	5. PROJECT NUMBER 1533

10. DESCRIPTION: (Continued)
Paving to include parking area and sidewalks. Attic conversion will be accomplished concurrently with major improvement project. Due to the nature of the work, which requires the existing units to be completely dismantled and reconfigured, there is no significant cost differential between the creation of a new unit and the upgrade of an existing temporary unit in this project.

11. REQUIREMENT:
PROJECT: Project will convert family housing attic space into 102 adequate two-bedroom dwelling units for enlisted soldiers and families at Kitzingen.
REQUIREMENT: The Kitzingen Military Community has a projected requirement to house 2,043 families. To satisfy this need, 809 adequate on-post and leased units are projected to be available. The local economy can provide up to 833 adequate assets leaving a requirement to house 401 families.
CURRENT SITUATION: The Kitzingen Military Community has a projected shortfall of 401 family housing units. The local economy has insufficient units to support the demand placed on it by local workers, university students, and military personnel. Some military personnel must travel long distances to locate housing resulting in excessive travel time, expense, and inconvenience. Additionally, many families suffer from long separations because the waiting period for government housing is 57 weeks. This project will provide needed additional housing in the most economical manner possible.
IMPACT IF NOT PROVIDED: If this project is not accomplished, families will be required to live in substandard off-post housing. Furthermore, family separations would continue due to the lack of adequate housing. These factors will contribute to low morale and reduced performance by soldiers in their assigned duties, impacting on installation missions.

1. DATE 14 Feb 86	2. FISCAL YEAR 1987	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT Army
4. INSTALLATION AND LOCATION Kitzingen, Germany			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	267	2369	2636	275	2221	2496
6. LESS: VOLUNTARY SEPARATIONS	12	476	488	12	441	453
7. EFFECTIVE HOUSING REQUIREMENTS	255	1893	2148	263	1780	2043
8. LESS: ADEQUATE HOUSING	233	1276	1509	246	1396	1642
A. UNDER MILITARY CONTROL	96	598	694	102	707	809
(1) Existing	72	501	573	72	512	584
(2) Under Construction				30	73	103
(3) Approved				0	0	0
(4) Leased	24	97	121	0	122	122
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	137	678	815	144	689	833
(1) Owned Houses	0	7	7	0	7	7
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	137	671	808	137	671	808
(4) Vacant Rental Housing				7	11	18
9. EFFECTIVE HOUSING DEFICIT	22	617	639	17	384	401
A. INVOLUNTARILY SEPARATED FAMILIES	5	375	380			
B. SUBSTANDARD HOUSING	15	235	250			
C. EXCESS DISTANCE HOUSING	2	7	9			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	56	56
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			38.8	42.9	42.3
	ALL HOUSING			93.5	81.6	83.1

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 12 units vacant at the time the survey was conducted.

Line 10 Proposed Project: Convert unused attic space into 56 2 bedroom junior enlisted quarters and improve 46 temporary units into adequate quarters.

1. COMPONENT **ARMY**	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Mainz, Germany	4. PROJECT TITLE Renew General Officer Quarters

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 16691	8. PROJECT COST ($000) 69

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange Rate - DM 2.46 = $1.00				
Primary Facility:				59
Building Addition	SF	475	98	(47)
Concurrent maintenance & repair	LS		5,000	(12)
Subtotal				59
Contingency (10%)				6
Total Contract Cost				65
Supervision, Inspection, & Overhead (5.5%)				4
Total Request				69

10. DESCRIPTION OF PROPOSED CONSTRUCTION Project will improve one General Officer Quarters (GOQ). Construct a 475 nsf addition to achieve the authorized net living area for this position. Addition will be of masonry construction to be compatible with the existing structure. Maintenance and repair of affected adjacent areas and interior finishes is also included.

11. REQUIREMENT:
PROJECT: This project is required to increase the net interior area of the unit in order to provide adequate living and entertainment areas.

CURRENT SITUATION: This set of quarters currently has a net area of 1625 square feet. A General Officer's quarters is authorized 2100 net square feet in order to accommodate the formal entertainment and reception responsibilities of the occupant. This unit, occupied by the Mainz Community Commander, is inadequate to perform these functions.

IMPACT IF NOT PROVIDED: A senior leader of the Army will continue to reside in quarters that do not provide adequate space for effective performance of his duties.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Worms, Germany	4. PROJECT TITLE Convert Family Housing Attic Space

5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 15608	8. PROJECT COST ($000) 350

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Exchange: DM 2.46 = $1.00				
Primary Facility:				
Plumbing, heating, electrical, kitchen baths, roofs, reconfigure walls	EA	6	45,000	270
Support Facilities:				
Paving and site work	LS			32
Subtotal				302
Contingency (10%)				30
Total Contract Cost				332
Supervision, Inspection, & Overhead (5.5%)				18
Total Request				350

10. DESCRIPTION OF PROPOSED CONSTRUCTION Convert unused attic space and 4 existing temporary quarters into 6 adequate two-bedroom dwelling units, complete with kitchens and full bathrooms. Project will produce units as follows:

	New Units Created	Temp. Units Upgraded	Total
Attic Conversion Project:	2	4	6

Note: Project will be accomplished concurrently with FY 87 project to renew 54 units. This project will convert attics in same buildings as the renewal project.

Scope includes removal and replacement of existing plumbing, heating, and lighting fixtures; upgrade of utility systems and services as required; all finish work; and renovation of roof to include the addition of balconies. Government furnished equipment to include refrigerator, washer, dryer, range, smoke detector, dishwasher, and garbage disposal. Provide bulk storage.

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Worms, Germany		
4. PROJECT TITLE Convert Family Housing Attic Space		5. PROJECT NUMBER 15608

10. DESCRIPTION: (Continued)
Paving to include parking area and sidewalks. Attic conversion will be accomplished concurrently with major improvement project. Due to the nature of the work, which requires the existing units to be completely dismantled and reconfigured, there is no significant cost differential between the creation of a new unit and the upgrade of an existing temporary unit in this project.

11. REQUIREMENT:
PROJECT: This project will provide 6 permanent two-bedroom dwelling units for junior enlisted personnel at the Worms Military Community.
REQUIREMENT: The utilization of unused and wasted attic and maids room space within family housing buildings is the most economical and effective method of acquiring additional on-post family housing assets. The Community's long-range effective housing requirement is 1,152 housing units. However, there are only 879 adequate government controlled facilities and private economy rentals available leaving a requirement of 273 additional units.
CURRENT SITUATION: The Worms Military Community has 88 families that are involuntarily separated due to a lack of adequate housing. Additionally, 6 soldiers and their families are forced to live in housing that is a long distance from the duty station resulting in excessive travel time. There are no plans to build more economy housing, thus, the deficit must be eliminated using government controlled family housing.
IMPACT IF NOT PROVIDED: Since the community will not be able to provide adequate housing for 273 families, soldiers will be involuntarily separated from their families or be required to live in substandard economy quarters. This will adversely affect the morale of soldiers and their families, and ultimately impact on their ability to carry out their assigned duties.

1. DATE	2. FISCAL YEAR	MILITARY FAMILY HOUSING JUSTIFICATION	3. DEPARTMENT
14 Feb 86	1987		ARMY

4. INSTALLATION AND LOCATION

Worms, Germany

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT (As of Sep 84)			PROJECTED (As of Sep 90)		
	OFFICERS a	ELIGIBLE ENLISTED b	TOTAL c	OFFICERS d	ELIGIBLE ENLISTED e	TOTAL f
5. GROSS FAMILY HOUSING REQUIREMENTS	160	862	1022	193	1101	1294
6. LESS: VOLUNTARY SEPARATIONS	12	99	111	14	128	142
7. EFFECTIVE HOUSING REQUIREMENTS	148	763	911	179	973	1152
8. LESS: ADEQUATE HOUSING	142	675	817	149	730	879
A. UNDER MILITARY CONTROL	119	465	584	125	520	645
(1) Existing	58	329	387	60	374	434
(2) Under Construction				0	0	0
(3) Approved				0	0	0
(4) Leased	61	136	197	65	146	211
(5) Other	0	0	0	0	0	0
B. PRIVATE HOUSING	23	210	233	24	210	234
(1) Owned Houses	0	3	3	0	3	3
(2) Owned Trailers	0	0	0	0	0	0
(3) Occupied Rental Housing	23	207	230	23	207	230
(4) Vacant Rental Housing				1	0	1
9. EFFECTIVE HOUSING DEFICIT	6	88	94	30	243	273
A. INVOLUNTARILY SEPARATED FAMILIES	6	82	88			
B. SUBSTANDARD HOUSING	0	0	0			
C. EXCESS DISTANCE HOUSING	0	6	6			
D. EXCESS COST HOUSING	0	0	0			
10. PROPOSED PROJECT				0	2	2
11. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	MILITARY			69.8	53.6	56.2
	ALL HOUSING			83.2	75.2	76.5

12. COMMENTS ON SPECIFIED ITEMS

Line 8a, column c: Does not include 52 units vacant at the time the survey was conducted.

Line 10, Proposed Project: Convert unused attic space into 2 2-bedroom Junior Enlisted quarters and improve 4 temporary units into adequate facilities.

14 February 1986

ARMY FAMILY HOUSING
FY 87 BUDGET
POST ACQUISITION CONSTRUCTION
EXPENDITURES ON GENERAL/FLAG OFFICER QUARTERS

The Post Acquisition Construction Expenditures on General/Flag Officer Quarters report is submitted in response to the House Appropriations Committee requirement contained on page 67 of the Military Construction Appropriation Bill, 1986, Report No. 99-275.

14 February 1986

Post Aquisition Construction

Expenditures on General/Flag Officer Quarters. (GFOQ's)

The submitted narrative has indicated all projects that include work on GFQ's as part of the requested improvement program. The narrative provides an average estimate of the post acquisition construction cost for the GFOQ's. The following chart provides more detailed information concerning the construction (improvement) cost, and the anticipated Operations and Maintenance cost for each unit.

State/Country	Installation/Project	Qtrs No	FY 87 Cost ($000)			
			Construction (Improvement)	Operations	Maintenance	Total
AL	Fort Rucker					
	Construct Carport	43	8	3.0	12.5	23.5
District of Columbia	Walter Reed AMC					
	Renovate GOQ	1	99	3.5	2.0	104.5
HI	Hickam AFB					
	Improve Qtrs	546	20.1	4.0	17.0	41.1
		540	30.6	4.5	17.0	52.1
		517	20.8	11.7	12.6	45.1
		538	29.5	6.5	17.0	53.0
		549	29.3	5.0	16.3	50.6
		550	20.1	5.7	16.6	42.4
		551	29.3	4.8	16.5	50.6
		556	30.0	7.9	16.5	54.4
IL	Fort Sheridan					
	Air Condition Units	6	27.7	5.0	5.5	38.2
		28	27.7	9.0	2.5	39.2
		53	27.7	8.4	2.5	38.6
		54	27.7	9.9	10.0	47.6

State/Country	Installation/Project	Qtrs No	FY 87 Cost ($000)			
			Construction (Improvement)	Operations	Maintenance	Total
IL	Saint Louis Area Support Center					
	Improve GOQ	1	27.0	2.5	1.5	31.0
KY	Fort Campbell					
	Construct Garage	1544	6.0	2.6	6.3	14.9
MD	Aberdeen Proving Ground					
	Air Conditioning	1	6.0	7.0	6.0	19.0
		10	6.0	6.5	6.0	18.5
		E4670	6.0	8.0	6.0	20.0
	Fort Sam Houston					
TX	Renew Quarters	2	52.7	5.3	5.2	63.2
		6	44.7	10.6	12.8	68.1
		8	44.7	7.8	5.2	57.7
		9	52.7	4.8	9.1	66.6
		10	52.7	6.4	9.4	68.5
		11	44.7	6.9	5.2	56.8
		416	27.8	6.4	8.5	42.7

14 February 1986

State/Country	Installation/Project	Qtrs No	FY 87 Cost ($000)			
			Construction (Improvement)	Operations	Maintenance	Total
VA	Fort Myer Renovated GOQ					
		2	50.0	10.2	4.5	64.7
		27A	45.0	4.4	4.5	53.9
		27B	45.0	4.4	4.5	53.9
Japan Camp Zama	ECIP	1000	5.0	12.7	53.1	70.8
(ECIP & Patio Enclosure)		1001	17.0	9.1	19.0	45.1
Sagamihara	ECIP	636	5.0	5.0	10.0	20.0
Korea	Yongsan Renew CINC's Qtrs	4401	70.0	7.8	9.0	86.8
FRG	Mainz Improve GOQ	6416	69.0	5.5	4.3	78.8

14 February 1986

ARMY FAMILY HOUSING
FY 87 BUDGET
FOREIGN SOURCE FAMILY HOUSING UNITS
IMPROVEMENT EXPENDITURE SUMMARY

The Foreign Source Family Housing Units Improvement Expenditure Summary is submitted in response to the House Appropriations Committee requirement contained on page 66 of the Military Construction Appropriation Bill, 1986, Report No. 99-275.

14 February 1986

Investments in Foreign-Source Family Housing

The FY 87 Post Acquisition Construction Program provides for improvements to Foreign-Source housing in various scopes ranging from self-amortizing energy conservation investments to "whole house" renewal. The renewal projects attempt to combine all known improvement requirements with the necessary maintenance and repair to extend the economic life of the units for 25 more years. Consequently, they represent a multi-year requirement that is performed at one time with total funding requested at one time.

Improvements indicated in previous years have been small-scale improvements made in conjunction with normal maintenance or repair efforts. Typically, dollars identified are for necessary alterations of interior partitions or added items, such as additional electric outlets.

The FY 87 projects are larger and satisfy all known and anticipated improvement requirements for these units. Exceptions are the ECIP projects where it is prudent and practical to accomplish the ECIP work now, rather than wait to include it in a total renewal program in some future year. This allows an earlier return on the Energy Conservation Investment. This table summarizes the average improvement cost per unit in the three prior years, and anticipated expenditures in the three following years for foreign-source units.

All projects that have been identified as "renewals" include all projected major maintenance and repair. In the case of the project at Aschaffenburg, this total requirements will exceed $30,000 per unit and has been identified as such.

14 February 1986

FOREIGN SOURCE FAMILY HOUSING UNITS IMPROVEMENT EXPENDITURE SUMMARY

	Average Cost/Unit ($000)						
Country/Installation	FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90
JAPAN							
Sagami General Depot (ECIP, 53 units)	-	-	5 1/	4	-	31 2/	-
Sagamihara DHA (Renew 18 units)	-	-	3 3/	28	-	-	-
Sagamihara DHA (ECIP, 537 units)	-	-	5 1/	4	-	-	31 2/
Camp Zama (GOQ, 1 unit)	-	-	20 4/	17	-	-	-
Camp Zama (ECIP, 128 units)	-	-	-	5	-	-	-
Camp Zama (ECIP, 100 units)	-	-	2 5/	5	-	-	-

1/Includes proposed window air conditioning at $2,000 per unit.

2/Anticipated "whole house" renewal of some of these units.

3/Project provides exterior storage, no work accomplished within the unit.

4/Major M&R approved ($20,000 for FY 86)

5/Window air conditioning in 25 units only.

FOREIGN SOURCE FAMILY HOUSING UNITS
IMPROVEMENT EXPENDITURE SUMMARY
(CONTINUED)

Country/Installation	Average Cost/Unit ($000)						
	FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90
KOREA							
Pusan (Renew 48 units)	2	-	-	53	-	-	-
Pusan (Storage sheds 98)	-	-	-	4	-	-	-
Yongsan (GOQ, 1 unit)	1.3	6/ 15.3	-	70	-	-	-
GERMANY							
Aschaffenburg (Renew 144 units)	-	-	-	36	-	-	-

6/Laundry room addition in FY 85.

14 February 1986

FOREIGN SOURCE FAMILY HOUSING UNITS
IMPROVEMENT EXPENDITURE SUMMARY
(CONTINUED)

Country/Installation	Average Cost/Unit ($000) FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90
GERMANY (Continued)							
Aschaffenburg (Convert Attics, 48 units)	-	-	-	58	-	-	-
Bremerhaven (Renew 72 units)	-	-	-	28	-	-	-
Bremerhaven (Convert Attics, 24 units)	-	-	-	58	-	-	-

14 February 1986

FOREIGN SOURCE FAMILY HOUSING UNITS
IMPROVEMENT EXPENDITURE SUMMARY
(CONTINUED)

Country/Installation	Average Cost/Unit ($000)						
	FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90
Frankfurt (Renew 340 units) 1/	1.3	-	-	23	-	-	-
Giessen (Renew 198 units)	.7	-	-	23	-	-	-
Giessen (ECIP, 152 units)	-	-	-	4	-	-	-

1/ Originally submitted For FY 86

14 February 1986

FOREIGN SOURCE FAMILY HOUSING UNITS
IMPROVEMENT EXPENDITURE SUMMARY
(CONTINUED)

Country/Installation	Average Cost/Unit ($000)						
	FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90
GERMANY (Continued)	8/	9/					
Heidelberg 7/ (Renew 54 units)	7.5	.5	-	29	-	-	-
Hohenfels (Renew 6 units)	-	-	-	27	-	-	-
Karlsruhe (Renew 96 units)	-	-	-	16	-	-	-
Karlsruhe (Convert Attics, 24 units)	-	-	-	58	-	-	-
Kitzingen (Renew 306 units)	-	-	-	23	-	-	-
Kitzingen (Convert Attics, 102 units)	-	-	-	58	-	-	-
Mainz (GOQ, 1 unit)	-	-	-	69	-	-	-

8/ ECIP project accomplished

9/ Limited number of units (less than current scope) received minor improvements.

FOREIGN SOURCE FAMILY HOUSING UNITS
IMPROVEMENT EXPENDITURE SUMMARY
(CONTINUED)

Country/Installation	Average Cost/Unit ($000) FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90
GERMANY (Continued)							
Mannheim 7/ (Renew 198 units)	-	-	-	24	-	-	-
Nuernberg 7/ (Renew 216 units)	-	-	-	20	-	-	-
Nuernberg (ECIP, 1342 units)	-	-	-	2	-	-	-

14 February 1986

FOREIGN SOURCE FAMILY HOUSING UNITS
IMPROVEMENT EXPENDITURE SUMMARY
(CONTINUED)

Country/Installation	Average Cost/Unit ($000) FY 84	FY 85	FY 86	FY 87	FY 88	FY 89	FY 90
Wiesbaden (ECIP, 2,594 units)	10/ 23	24	22	1	24	24	24
Worms (Renew 54 units)	-	-	-	23	-	-	-
Worms (Convert Attics, 6 units)	-	-	-	58	-	-	-
Wuerzburg 7/ (Renew 160 units)	8/ .6	3/ .7	-	24	-	-	-

10/ Renewal of interiors of some of the units has been programmed from FY 83-90. Costs indicated do not apply to all units.

14 February 1986

ARMY FAMILY HOUSING
FY 87 BUDGET

PLANNING AND DESIGN

(In Thousands)	
FY 87 Program	$24,000
FY 86 Program	$15,000

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports, final design drawings of family housing construction projects, and review of construction proposals. This includes the use of architectural and engineering services in connection with any new family housing or post acquisition construction and costs incurred in developing requests for proposals.

Program Summary

Appropriation and authorization of $24,000,000 to fund this construction planning and design is required. These funds will be utilized to plan for and design future year projects and are required for the following areas:

a.	New construction projects	$ 6,480,000
b.	Improvements projects	$15,610,000
c.	Energy conservation investment projects	$ 1,910,000

The family housing construction and improvements program has been recognized to have one of the most beneficial impacts for improving the quality of life of soldiers and their families. To ensure that all future budget submittals are as accurate as possible, and to allow for early award of projects, FY 87 design will also support FY 88, FY 89, and FY 90 projects: FY 87 design funding will complete the design of FY 87 projects, ensure final (90%) design of FY 88 projects, provide concept (35%) design of FY 89 projects and initiate preliminary design for FY 90. A strong design effort is crucial to developing cost effective projects which can be executed on schedule.

Previous fiscal year requests have increased this program, however, the intensive effort involved in providing accurate designs with the associated unit-by-unit investigation requires additional funding. Reprogramming actions were required in FY 83, FY 84, and FY 85 to ensure proper planning and design funding of the ongoing program. The reduction the FY 86 planning and design program (below the FY 85 level) failed to provide the resources to intensify the design effort for the FY 87 program. The FY 87 submittal restates this design level for an expanding program in FY 88 and the outyears. The new construction projects in foreign countries require more detailed site analysis and design efforts in preparing bid documents. The Army's intensified effort to achieve an acceptable design schedule has necessitated a substantially larger planning and design program than in previous years.

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ARMY FAMILY HOUSING
FY 87 BUDGET

OPERATION AND MAINTENANCE

(In Thousands)	
FY 87 Program	$1,095,318
FY 86 Program	$1,053,502

Purpose and Scope

a. **Operations Account** - Provides the following major functions:

Management - Provides for management resources for family housing referral offices, including administrative support services charged for training, travel and supply functions against the family housing account. Housing referral costs, including transportation costs in foreign areas, are also included in this function. Provides for the development, installation, refinement and operation of computer systems for application of better housing management techniques.

Services - Provides basic installation support functions, such as refuse collection and disposal; entomology and pest control services; snow removal; and street cleaning. Includes the cost of housing's proportionate share of police and fire protection, as well as other municipal type services.

Furnishings - Includes the control, moving and handling of furniture and equipment (refrigerators, stoves, washers, dryers, etc); the maintenance and repair of authorized inventory; the procurement of initial issue; and replacement of furniture and household equipment in the existing inventory.

Miscellaneous - Includes funds paid to the Department of State to operate foreign-owned permit housing units occupied by DOD personnel overseas; funds for German state fire insurance payments; and United Kingdom housing accommodation charges.

b. **Utilities Account** - Includes the cost of all utilities except telephone service. Also includes the cost to operate boiler and sewer systems, which serve family housing units, where central systems are not available.

c. **Maintenance Account** - Provides the major items required to support family housing real property assets:

Maintenance/Repair of Dwellings - Includes service calls; routine maintenance; annual repairs; interior and exterior painting; and repair work associated with family housing Deferred Maintenance and Repair (DMAR) backlog.

Exterior Utilities - Includes all costs for maintenance and repair of sewer and water lines, electric primary and secondary lines; and other exterior utilities exclusively within family housing areas.

Other Real Property - Includes work on grounds, surfaced areas and any other real property serving the housing area and dwelling units. Also includes repair projects associated with elimination of the worldwide family housing deferred maintenance backlog.

Alterations and Additions - Provides low cost improvements to existing dwelling units and other real property not specifically classified as capital investments.

Program Summary Highlights

Authorization and appropriation are requested for $1,095,318,000 in FY 87 as follows:

a.	Operations:	$238,870,000
b.	Utilities:	$268,596,000
c.	Maintenance:	$587,852,000

Authority is also requested for $14,000,000 of reimbursable authority to permit collection of payments from soldiers and federal and non-federal agencies.

The FY 87 operations, utilities and maintenance programs include the following major aspects:

o The continued installation, operation and maintenance of an Army-wide computer system, Housing Operations Management System (HOMES), designed to assist in all phases of housing management. Worldwide operation of HOMES will speed housing placements and achieve a cost avoidance for permanent change of station family requirements.

o Reductions in utility consumption due to increased management emphasis and the impact of previously approved Energy Conservation Investment Program (ECIP) projects.

o The continued implementation of a limited Joint Travel Regulation (JTR) furnishings policy in Europe with the funds necessary to: (1) procure additional assets required to implement the limited furnishings policy and (2) operate, maintain and handle the existing inventory.

o Continued personnel support for European family housing management offices to expedite family housing assignments and intensively manage the increasing family housing government owned and leased housing assets.

o The continued improvement of living conditions for military families throughout the world by: (1) paying the annual maintenance and repair costs of the worldwide inventory and (2) reducing the level of real property deferred maintenance backlog. Funds are requested to continue an aggressive maintenance and repair program, which will provide a strong, well balanced FY 87 program.

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JUSTIFICATION

OPERATIONS ACCOUNT

FY 86	FY 87
$213,502,000	$238,870,000
(-$39,832,000)	(+$25,368,000)

The FY 86 estimated operating program represents the Department of the Army family housing requirements using an inflation factor of 3.2 percent. The inflation factor used for FY 87 budget computation is 4.1 percent. Foreign national pay raises are included in the FY 86 and 87 budget estimates. No United States civilian pay raise is included for either year. The foreign currency exchange rate for the Deutsche mark, the currency with the greatest rate of conversion, has been adjusted to reflect 2.46 DM to $1.00 for each year to more accurately reflect the worldwide currency revaluation situation. Each program element is outlined below:

MANAGEMENT SUBACCOUNT

FY 86	FY 87
$68,000,000	$72,686,000
(-$6,294,000)	(+4,686,000)

The FY 87 family housing management program increases by 6.9 percent over FY 86. Requirements and adjustments are:

	($M)
FY 85 EXPENDITURES	**$ 74.3**
Inflation/Price Adjustments	-6.0
Foreign National Pay Increases	+4.4
Installation and Operation of HOMES	+4.1
Foreign Currency Revaluation	+6.3
Program Adjustments	-9.9
Administrative Support Services	-5.2
FY 86 ESTIMATED EXECUTION	**$ 68.0**
Administrative Support Services	-6.8
Program Adjustments	-5.1
Foreign National Pay Adjustments	+2.2
Foreign Currency Revaluation	+9.2
Inflation Adjustment	-.1
Installation/Operation of HOMES	+5.3
FY 87 BUDGET REQUIREMENTS	**$ 72.7**

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The major increases in the FY 86 and FY 87 family housing management subaccount programs are the additional funds programed for foreign currency revaluation adjustments. These are necessary to maintain buying power at the previously approved levels of effort. In FY 87 there will also be an increase due to the continued fielding, refinement and operation of the Housing Operations Management System (HOMES). Use of HOMES will continue to provide more efficient and faster housing referral services due to the increased number of placements that can be processed worldwide by housing referral service personnel more efficiently and in less time than through manpower intensive manual processing. The faster that a soldier's application can be processed, the more Basic Allowance for Quarters (BAQ) can be saved by the Army due to earlier housing placements. In addition, morale and quality of life are improved as a result of faster housing placements. The system is now partially implemented. Housing counselors system-wide have found HOMES easy to use and productivity has continued to increase. Cost avoidance/savings associated with implementation of the system have been considered in the development of this budget. The credibility of the housing offices with soldiers has also increased significantly. As the other housing modules for financial management, furnishings management and billeting are developed and fielded, the efficiency of the entire housing program will continue to improve. The management account also reflects the OSD directed increases for foreign hire nationals; however, no pay raise is included for United States direct and indirect hires.

SERVICES SUBACCOUNT

FY 86	FY 87
$44,500,000	$44,719,000
(-$1,062,000)	(+$219,000)

The FY 87 request of $44,719,000 is a .5 percent increase over FY 86. The increase, based on the average worldwide cost per unit, is only a modest rise (less than inflation). The requirements and adjustments are shown below:

	($M)
FY 85 EXPENDITURES	**$45.6**
Foreign Currency Revaluation	+2.2
Inflation Adjustment	-.5
Congressional Budget Adjustment	-2.7
Program Adjustments	-.1
FY 86 ESTIMATED EXECUTION	**$44.5**
Program Adjustments	-2.7
Inflation Adjustment	-.1
Foreign Currency Revaluation	+3.0
FY 87 BUDGET REQUIREMENTS	**$44.7**

The modest increase between the FY 86 estimated execution and the FY 87 estimate is due to the continuing need for intensive emphasis on entomology for the large Oahu Consolidated Family Housing Office inventory (tri-service) and in Panama. The increasing requirement to repair termite-damaged units has led to redoubled efforts to expand termite prevention activities to preserve critical housing assets. Modest increases for foreign currency revaluation have also been added in both years.

The .5 percent increase in the FY 87 estimate not only provides for entomology needs, but also provides funds for increased inventory units to provide for refuse collection, street cleaning, fire protection and custodial services. Full funding is essential to prevent adverse effects on the health and welfare of soldiers and their families at various domestic and overseas dwelling units. In addition, adjustment has been added to cover a treaty directed Panama Canal Commission rate increase for fire protection and entomology services.

FURNISHINGS SUBACCOUNT

FY 86	FY 87
$100,000,000	$120,815,000
(-$32,877,000)	(+$20,815,000)

The FY 87 request for the furnishings program is $120,815,000. The requirements and adjustments are shown below:

	($M)
FY 85 EXPENDITURES	**$132.9**
Initial Issue Adjustments	-15.7
Deficit Buy Out Adjustments	-9.1
Inflation Adjustments	-.8
Program Adjustments	-7.3
FY 86 ESTIMATED EXECUTION	**$100.0**
Deficit Buy Out Adjustments	+10.8
Inflation Adjustments	-.1
Program Adjustments	-9.9
Initial Issue Adjustments	+20.0
FY 87 BUDGET REQUIREMENTS	**$120.8**

The FY 87 furnishings account contains resources for the increased furniture requirements generated by the FY 84 Army decision to limit the shipment of military family household goods and furniture to overseas duty stations by providing government issue furnishings. This economically sound decision not only enhances the morale and living conditions of junior officers and enlisted personnel overseas, but also offsets excessive transportation and handling costs resourced by other Army appropriations. Since $19-$25 million is needed annually to continue deficit buyout, the FY 87 request contains an initial issue procurement request of $20.0 million. The remainder of the account adjustments provides resources necessary for the other furnishings requirements, such as maintaining and repairing the existing inventory. Continuation of the full initial issue funding will allow the Army to eliminate the deficit in Europe by end FY 90. This schedule is linked with the Army's similar objective to also eliminate the programable family housing deficit by end FY 90 (including E-1 to E-3 deficit). The requested funding levels for FY 87 support a balanced procurement schedule consistent with Europe's ability to process and concurrently utilize the increased furniture inventory. The FY 86 execution estimate and the FY 87 requirements also provide resources for continued furnishings support for the joint Defense housing management effort operated by the Oahu Consolidated Family Housing Office; for initial support for dwelling units entering the inventory in the United States under the conventional leasing and Section 801/802 programs; and to initiate initial pipeline procurement to provide additional furnishings for expanding domestic housing locations such as Forts Ord and Drum. Inflation/price adjustments are also included in each year.

Even though the largest major command requirement for furnishings resources is in Germany, foreign currency revaluation is not a major resources consideration, because all initial issue furnishings are purchased in and shipped from the United States factories.

MISCELLANEOUS SUBACCOUNT

FY 86	FY 87
$1,002,000	$650,000
(+$401,000)	(-$352,000)

The miscellaneous subaccount for FY 86 and FY 87 provides funding to support the FY 85 level of effort minus a small program adjustment for revised United Kingdom accommodations charges and inflation. The requirements and adjustments are shown below:

	($M)
FY 85 EXPENDITURES	$ .60
Program Adjustments	+.40
FY 86 ESTIMATED EXECUTION	$1.00
Program Adjustments	-.35
FY 87 BUDGET REQUIREMENTS	$ .65

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The FY 86 and FY 87 miscellaneous request provides for the following requirements:

	FY 86 $000	FY 87 $000
Fire Insurance in Germany	363	378
Permit Payments in Germany	638	271
Accommodations Charges in the United Kingdom	1	1

The Army has requested that the American Embassy in Germany seek relief from the payment of fire insurance premiums; however, until such relief is actually available, funds for this requirement have again been included in the budget request. It should be noted that no funding for reimbursements to Germany for land taxes has been included; however, should a legislative change be authorized by the Congress to permit such payment, an estimated amount of approximately $3.3 million should be added for appropriation. The FY 87 program has been adjusted only to reflect projected costs for fire insurance, permit payments, and United Kingdom accommodation charges only.

UTILITIES ACCOUNT

FY 86	FY 87
$280,000,000	$268,596,000
(+$22,326,000)	(-$11,404,000)

The FY 87 utilities program of $268,596,000 reflects a decrease of 4.2 percent. The requirements and adjustments are shown below:

	($ M)
FY 85 EXPENDITURES	**$257.7**
POL Price Adjustments	-5.7
WESTCOM Water Decontamination	+.2
Inflation/Price Adjustments	+7.1
Foreign Currency Revaluation	+20.1
Consumption Reductions/Economies	-4.2
Program Adjustments	+4.8
FY 86 ESTIMATED EXECUTION	**$280.0**
POL Price Adjustments	-.1
Foreign Currency Revaluation	+18.7
Program Adjustments	-11.8
WESTCOM Water Decontamination	+1.5
POL Consumption Reductions	-5.8
Remaining Utility Consumption Reductions/Economies	-8.0
Inflation/Price Adjustments	-5.9
FY 87 BUDGET REQUIREMENTS	**$268.6**

The FY 85 utilities program was executed at 10.6 percent below the programed FY 85 level, because of unusual financial conditions in Europe, which receives approximately one-third of the total utilities funding. The first factor which affected the unusual FY 85 execution adjustment was the favorable dollar to Deutsche mark conversion rate (3.12 DM versus 2.72 DM), which has now reversed. The dollar is steadily dropping on worldwide currency markets. Without a foreign currency fluctuation account to stabilize the dynamic loss in buying power, the Army's ability to pay its utility bills (cost of ownership) will be severely impacted. The second factor, which caused a low obligation rate, was the consumption reductions achieved through the implementation of high dollar energy conservation investment projects. Although savings from these types of projects will continue to accrue, most of the high ratio amortization projects have been completed. The remaining projects will achieve energy consumption reductions, but at a lesser rate. The FY 86 estimated execution and the FY 87 requirements reflect the consumption reductions anticipated for each year as offset by adjustments for new units entering the inventory in those years and the loss of buying power due to currency revaluation. The FY 87 program savings for energy conservation is also more than offset by inflation, price increases, foreign currency revaluation and increased resource requirements to decontaminate the water for the U.S. Army Western Command (WESTCOM).

MAINTENANCE ACCOUNT

FY 86	FY 87
$560,000,000	$587,852,000
(-$12,391,000)	(+$27,852,000)

For FY 86 the estimated program represents the Department of the Army's family housing maintenance requirements using an inflation factor of 3.2 percent. The inflation factor for FY 87 is 4.1 percent. The foreign currency exchange rate for the Deutsche mark, the currency with the greatest rate of conversion, is computed as 2.46 DM to $1.00 in both years, even though the actual FY 85 execution rate was considerably higher. Because the $1.00 has dramatically lost buying power at all world currency exchanges, the maintenance account has been adjusted to maintain an equal level of effort.

	($M)
FY 85 EXPENDITURES	**$572.4**
Program Adjustments	-45.9
Foreign Currency Revaluation	+42.3
Deferred Inventory Requirements	-16.9
Inflation/Price Adjustments	-6.9
Deterioration	+15.0
FY 86 ESTIMATED EXECUTION	**$560.0**
Program Adjustments	-81.4
Inflation Adjustments	-.6
Foreign Currency Revaluation	+66.6
Increased DMAR Requirements	+27.3
Deterioration	+16.0
FY 87 BUDGET REQUIREMENTS	**$587.9**

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By FY 87, approximately 40 percent of the Army's Family Housing Inventory will be 35 years old or older. The FY 84 through FY 86 funding levels plus the FY 83 "Jobs Bills" allowed the Army to initiate an aggressive maintenance and repair program to correct long-standing maintenance deficiencies and to renovate approximately 17 percent of these units. This improved funding posture must continue in FY 87 for the Army to achieve improvement in the living conditions of soldiers and their families while also meeting its goal for reducing the maintenance backlog to a manageable level by FY 88. In addition, to achieve efficiencies of dollars spent and to ensure the least amount of inconvenience to soldiers and their families, the Army vacates numerous buildings and turns them over to contractors for total building renovation. This allows for complete utility system replacements while placing no work constraints on contractors. At all large installations, this process has been phased over several years and a reduction in funding would cause a disruption to the currently programed schedule; thus resulting in a loss of dollars to the Army and an unnecessary inconvenience to numerous military families. Unfortunately, the loss in buying power caused by the currency revaluation issue has actually increased DMAR requirements in FY 86. This loss reduces the rate of DMAR reductions in FY 87 to only $18 million.

This budget continues the systematic elimination of DMAR that started in FY 83 and makes possible a year end reduction of $501 million. The Army continues to intensify its efforts to validate and manage the maintenance program and to meet the goal of manageable DMAR by end FY 88. To reverse the decline in DMAR reduction achievement, however, full funding must be permitted in FY 87 and sustained in the outyears.

REIMBURSABLE AUTHORITY

FY 86	FY 87
$13,200,000	$14,000,000
(-$1,300,000)	(+$800,000)

Although reimbursable authority for FY 86 was originally estimated at $13,800,000 in the FY 85 budget submission, the FY 85 experience of actual collections being reimbursed to family housing shows that the reimbursable authority requirement for FY 86 will be $13,200,000.

The FY 87 program is based on actual FY 85 experience and the revised FY 86 estimates. The program considers inflationary/price escalation increases in the cost of rents, utility rates, services, increased inventory and annual routine maintenance and repair work, which is reimbursed to family housing. The request for reimbursable authority must be higher than experience would indicate is necessary to allow for a surge in collections from soldiers, authorized occupants and other agencies as well as proceeds from disposals of family housing assets.

The following chart shows the source of receipts for the family housing account:

	FY 85	FY 86	FY 87
Federal Funds	$2,390	$2,810	$3,249
Non-Federal Funds	$9,510	$10,390	$10,751

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ARMY FAMILY HOUSING
FY 87 BUDGET
MAINTENANCE/REPAIR PROJECTS OVER $15,000

The over $15,000 major maintenance and repair report is in response to the House Appropriations Committee Requirement contained on Page 67 of the Military Construction Appropriation Bill, 1986, Report 99-275.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION Various Locations and Overseas	4. PROJECT TITLE AFH Maintenance/Repair Projects over $15,000/Dwelling Unit (D.U.)

5. PROGRAM ELEMENT 887420	6. CATEGORY CODE 771	7. PROJECT NUMBER Congressional Report Request	8. PROJECT COST ($000) $51,506.1

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects for Repairs to Family Housing Dwelling Units	DU	1,740	-	$51,506.2

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Projects include work necessary to provide adequate family quarters by repairing or replacing worn and deteriorated building components, i.e., kitchen counters and cabinets, floors, walls, windows, mechanical, electrical, air conditioning and plumbing systems, kitchen and bath fixtures, roofing and exterior siding as required.

11. Requirement for Project:

PROJECT: Provides repairs in 1,740 units by replacing deteriorated components and/or building systems.

REQUIREMENT: Projects are required to accomplish necessary repairs in family quarters to correct deficiencies due to continued use and deterioration. Work proposed includes enlisted and officer quarters but not general officer quarters as these are reported separately in this budget submittal. The work proposed is the type necessary to assure continued occupancy, adequately maintain the facility and prevent the unit from further deterioration. Projects are at Fort Leavenworth, several communities in Germany and Camp Zama, Japan.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Maintenance & Repair Projects Over $15,000/Dwelling Unit (D.U.)		5. PROJECT NUMBER P1920

CURRENT SITUATION: These units vary in age from 25 to over 100 years. The buildings are structurally sound and worthy of investment; however, the facility components and utility systems are deteriorated to the extent that normal maintenance is no longer effective, and major repairs or replacement of components are required. Type of repairs to be performed are based on a cost analysis and not on full in kind restoration.

NOTE: This information is provided in compliance with the Conference Appropriation Committee Report 99-380, November 19, 1985, requiring the Services to report major repairs in family quarters (except General or Flag Officer Quarters (GFOQ)), where the costs (obligations) exceed $15,000 per dwelling unit. GFOQ are reported separately where the total obligations for operations, maintenance and repairs during the fiscal year will exceed $25,000.

1. COMPONENT **ARMY**	**FY 1987 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION

Various Installations CONUS

4. PROJECT TITLE

Army Family Housing Maintenance and Repair Projects over $15,000/Dwelling Unit (D.U.)

5. PROJECT NUMBER

P-1920

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/Installation and Project

	($000) Average Cost Dwelling Unit (DU)	CWE ($000) Total
KANSAS		
FORT LEAVENWORTH - Maintenance and repair work consisting of repair/replacement of all windows and exterior doors. - 156 D.U.	20.8	3,244.8
FORT LEAVENWORTH - Maintenance and repair work consisting of repair/replacement of heating system including radiators, boilers, and distribution system. - 295 D.U.	23.7	6,991.5
FORT LEAVENWORTH - Maintenance and repair work consisting of repair/replacement of electrical wiring, panel boxes, lighting and patching/painting walls and ceilings. - 46 DU	20.3	933.8

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 Feb 86

3. INSTALLATION AND LOCATION

Various Installations, Overseas

4. PROJECT TITLE	5. PROJECT NUMBER
Army Family Housing Maintenance and Repair Projects over $15,000/Dwelling Unit (D.U.)	P-1920

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/Installation and Project	($000) Average Cost Dwelling Unit (DU)	CWE ($000) Total
Germany (note all projects in Germany are priced at $1.00 = DM 2.46)		
AMBERG - replace apartment entrance doors/ repair inner doors. Replace curtain rods/bathroom fixtures. Repair floors, heating, gas, hot/cold water lines. Replace electrical system. - 44 D.U.	26.0	1,144.0
BAUMHOLDER - repair and/or replace heating, ventilation, electrical, plumbing in bathrooms doors, windows, floors, plaster and stucco surfaces. Replacement of floor and wall cabinets and stainless steel sinks in kitchens. Repair/replace radiators and hot/cold water lines. Replace interior conduits for telephone and television system. Replace ceramic floor and wall tiles in kitchens and bathrooms. Plaster and paint as required. - 367 D.U.	34.5	12,661.5
BAYREUTH - replace windows, doors, wall and floor tile in both bathrooms and kitchens, heating, plumbing and electrical systems as well as suspended ceilings. Replace bathroom fixtures and kitchen cabinets. Paint/plaster as required. - 23 D.U.	39.8	915.4

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4 Feb 86
3. INSTALLATION AND LOCATION Various Installations, Overseas		
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over $15,000/Dwelling Unit (D.U.)		5. PROJECT NUMBER P-1920

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/Installation and Project

	($000) Average Cost Dwelling Unit (DU)	CWE ($000) Total
GRAFENWOEHR (EAST CAMP) - replace doors, windows wall and floor tiles and wooden floors. Replace bathroom fixtures, kitchen cabinets, plumbing system, heating and electrical system. Plaster/paint as required. - 8 D.U.	25.9	207.2
HEIDELBERG - repair and/or replace electrical system, kitchens and bathrooms to include cabinets, closets, fixtures and ceramic wall and floor tile. Replace potable water lines, sanitary lines, heating lines and radiators. Paint and plaster as required. - 28 D.U.	29.1	814.8
HEIDELBERG - repair and/or replace kitchens and bathrooms, to include cabinets, closets, fixtures, ceramic tile on floors and walls. Replace potable water lines, sanitary lines, heating lines and radiators. - 95 D.U.	23.7	2,251.5
MAINZ - repair/replace hot and cold water lines, replacement of heating systems, electrical wiring, all fixtures in kitchens, bathrooms, repair/replace flooring and walls, repair built-in wardrobes and entry/interior doors. - 88 D.U.	32.1	2,824.8

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86

3. INSTALLATION AND LOCATION

Various Installations, Overseas

4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over $15,000/Dwelling Unit	5. PROJECT NUMBER P-1920

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/Installation and Project

	($000) Average Cost Dwelling Unit (DU)	CWE ($000) Total
MUNICH - repair or replace electrical and plumbing system, walls and ceilings. Repair by replacement balconies, floors, radiators, closets, bathroom fixtures, bathtubs, sinks, toilets, apartment entrance doors, glass facade with stairwell entrance doors, mailboxes, door bells, ladders and doors to attics and handrails. Replace cold and hot water lines, and waste lines. Replace wall and floor tile in bathrooms and kitchens. Plaster and paint as required. - 198 D.U.	36.5	7,227.0
NEU ULM - repair/replace bathrooms, heating lines and radiators, electrical distribution system, floors, plumbing, plaster walls and ceilings, doors and interior stairwells. - 48 D.U.	32.9	1,579.2
PIRMASENS - replace kitchen cabinets, electrical system, heating pipes, hot and cold water lines, sewage pipes, and radiators. Renovate bathrooms. Replace fixtures in kitchens and bathrooms to include floor and wall tile. Replace built-in closets. Plaster and paint as required. - 36 D.U.	32.4	1,166.4
PIRMASENS - replace interior heating pipes, radiators, electrical system, hot/cold water lines, sewage lines, and built-in closets. Renovate bathroom to include replacement of all fixtures and floor/wall tile. Modify kitchens to accommodate 30" stove and dishwasher. - 64 D.U.	24.4	1,561.6

1. COMPONENT ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 Feb 86
3. INSTALLATION AND LOCATION Various Installations, Overseas		
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over $15,000/Dwelling Unit (D.U.)		5. PROJECT NUMBER P-1920

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/Installation and Project	($000) Average Cost Dwelling Unit (DU)	CWE ($000) Total
REGENSBURG - replace apartment entrance and inner doors, repair built-in closets/buffets, replace hard wood floors, replace heating, hot/cold water lines. Replace main distribution panels and electrical system. Paint/plaster as required. - 12 D.U.	34.5	414.0
SCHWAEBISCH-HALL - repair and/or replace kitchen cabinets, fixtures, floor and wall tile and ventilation system. Replace doors and frames of all built-in closets. Replace electrical system. Replace hot/cold water lines, circulations and sewage pipes. Replace all doors, replaster and paint as required. - 2 D.U.	35.7	71.4
VILSECK (SOUTH CAMP) - repair/replace wooden staircase with concrete. Repair/replace floors and doors, plumbing, heating and electrical system. Replace bathroom fixtures kitchen cabinets and wall/floor tiles in both bathrooms and kitchens. Plaster/paint as required. - 15 D.U.	48.8	732.0
WIESBADEN - replace hot and cold water lines, interior sewer lines, heating system to include radiators. Repair/replace electrical system. Replace fixtures and fittings in bathrooms and kitchens. Provide dishwashers and range hoods with exhaust fans in kitchens. Replace cabinets and ceramic floor and wall tile in both kitchens and bathrooms. Plaster/paint and repair/refinish wood floors as required. - 206 D.U.	31.9	6,571.4

1. COMPONENT		2. DATE
ARMY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 Feb 86

3. INSTALLATION AND LOCATION

Various Installations, Overseas

4. PROJECT TITLE	5. PROJECT NUMBER
Army Family Housing Maintenance and Repair Projects over $15,000/Dwelling Unit (D.U.)	P-1920

DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/Installation and Project

	($000) Average Cost Dwelling Unit (DU)	CWE ($000) Total
JAPAN		
CAMP ZAMA - Maintenance and repair work includes the replacement of interior piping, water, waste lines and heating distribution system. - 3 D.U.	17.9	53.7
CAMP ZAMA - Maintenance and repair work including repair of roofing, interior ceilings, walls, floors and electrical wiring. - 4 D.U.	19.9	79.6
CAMP ZAMA - Maintenance and repair work including replacing interior piping including water and waste lines and heating distribution system, exterior painting, and replacement of exterior doors. - 2 D.U.	30.3	60.6

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ARMY FAMILY HOUSING
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ'S)
OVER $25,000

The over $25,000 General/Flag Officer (GFOQ) Planned Obligations Report is is submitted in response to the House Appropriations Committee Requirement contained on page 67 of the Military Construction Appropriation Bill 1986, Report No. 99-275.

14 February 1986

DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's)
WHERE ANTICIPATED OPERATION AND MAINTENANCE
OBLIGATIONS WILL EXCEED $25,000 PER DWELLING UNIT

This information is provided in compliance with the reporting requirement established by the Conference Appropriations Committee Report 99-380, November 19, 1985. The quarters reported provide the details for those GFOQ's where the operation and maintenance obligations in FY 87 are anticipated to exceed $25,000 per dwelling unit. Operations include costs for the management of family housing (pro rata share), services (trash collection, entomology, etc.), utilities, furnishings and leases. Maintenance and repairs include recurring work (service calls, preventive maintenance and routine work between occupancy) and major repairs. This includes all costs for operation and maintenance to the dwelling unit, appurtenant structures, and all other related areas and facilities intended for the exclusive use of the general or flag officer. Improvements (separate account for new work) are identified if they are proposed to be funded in FY 87. Applicable leased quarters are also reported; however, those leased quarters exceeding $16,800 are included in the Army's high cost lease authority in accordance with Military Construction Authorization Law. All leases executed or renewed in which costs exceed $12,000 are submitted to Appropriation Committees prior to execution.

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Arizona				
Ft. Huachuca				
137 Grierson				
(Historic Qtr's)	$25,600	$12,500	$38,100	(-0-)

Operations include $4,000 for utilities, $20,200 for furnishings, consisting of replacement of carpeting, drapes and repair/acquisition of furniture in the entertainment area of the newly established major command position quarters, and $1,400 for services and management. Maintenance and repairs include $3,000 for routine maintenance, $4,000 for repairs and maintenance including interior painting during a change of occupancy, $3,000 for repairs to water and electrical lines and $2,500 for grounds maintenance.

Colorado				
Fitzsimons Army Medical Center-1	$14,000	$22,000	$36,000	(-0-)

Operations include $2,400 for utilities, $10,000 for furnishings, including replacement of furniture in entertainment area, and $1,600 for services and management. Maintenance and repairs include $2,000 for routine maintenance, $17,000 for replacement of roofing, $1,400 for repairs to exterior utility lines and surface areas, and $1,600 for grounds maintenance.

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Kansas				
Fort Leavenworth				
330 (No. 2 Summer Place) (Historic Qtr's)	$5,600	$31,720	$37,320	(-0-)

Operations include $3,600 for utilities, $400 for furnishings and $1,600 for services and management. Maintenance and repairs include $3,500 for routine maintenance, $4,590 for repairs to two chimneys (keep one operational and close one off), $22,430 for repair of leaking roof with suitable material (existing roofing is approximately 90 years old) and $1,200 for grounds maintenance.

1 Scott Ave (Historic Qtr's)	$10,000	$33,490	$43,490	(-0-)

Operations include $5,200 for utilities, $2,500 for furnishings and $2,300 for services and management. Maintenance and repairs include $2,900 for routine maintenance, $11,860 for replacement of electrical wiring, $15,930 for repairs to interior walls and $2,800 for grounds maintenance.

605 Scott Ave (Historic Qtr's)	$5,600	$28,270	$33,870	(-0-)

Operations include $3,600 for utilities, $400 for furnishings and $1,600 for services and management. Maintenance and repairs include $3,500 for routine maintenance, $15,140 for replacement of electrical wiring, $5,600 for repairs to interior walls, $2,830 for repairs to foundation walls and $1,200 for grounds maintenance.

612 Grant Ave (Historic Qtr's)	$5,800	$30,520	$36,320	(-0-)

Operations include $4,000 for utilities, $300 for furnishings and $1,500 for services and management. Maintenance and repairs include $3,200 for routine maintenance, $15,400 for replacement of electrical wiring, $10,420 for repairs to interior walls and $1,500 for grounds maintenance.

611 Scott Avenue (Historic Qtr's)	$7,000	$42,810	$49,810	(-0-)

Operations include $4,200 for utilities, $1,000 for furnishings and $1,800 for services and management. Maintenance and repairs include $6,900 for routine maintenance, $21,120 for replacement of electrical wiring, $13,090 for repairs to interior walls and $1,700 for grounds maintenance.

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Kentucky				
Fort Campbell				
5001	$6,030	$19,350	$25,380	(-0-)

Operations include $5,410 for utilities, $110 for furnishings and $510 for services and management. Maintenance and repairs include $3,000 for routine maintenance including a change of occupancy, $1,000 for interior painting, $15,000 for repairing roofing (project originally approved for FY 85 but contract could not be awarded), $100 for repair to exterior utilities and $250 for grounds maintenance.

New York				
West Point				
100 (Historic Qtr's)	$9,280	$27,000	$36,280	(-0-)

Operations include $4,600 for utilities, $3,600 for furnishings, and $1,080 for services and management. Maintenance and repairs include $6,000 for routine maintenance, $3,500 for replacement of resilient floor covering throughout quarters, $5,500 repairs to front porch, $7,000 for repairs to walls, ceilings and $5,000 for grounds maintenance.

101 (Historic Qtr's)	$4,280	$27,800	$32,080	(-0-)

Operations include $2,800 for utilities, $600 for furnishings and $880 for services and management. Maintenance and repairs include $6,000 for routine maintenance, $7,000 for repairs to interior walls and ceilings, $8,000 for repairing porch, including the foundation and framing, $3,800 for repairing exterior structure (rear yard) and $3,000 for grounds maintenance.

Virginia				
Fort Lee	$4,100	$23,400	$27,500	(-0-)
368 Coral Sea				

Operations include $2,000 for utilities, $1,200 for furnishings and $900 for services and management. Maintenance and repairs include $1,200 for routine maintenance, $10,300 for repairs to kitchen, $900 for bathroom repairs, $6,900 for repairs to the heating and cooling system including duct repairs to preclude chlordane contamination, $2,000 for minor alterations and $2,100 for grounds maintenance.

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Virginia (Cont'd)				
Fort Myer				
12A (Historic Qtr's)	$4,870	$35,700	$40,570	(-0-)

Operations include $3,410 for utilities and $1,460 for services and management. Maintenance and repairs include $4,500 for routine maintenance and minor repairs, $31,200 for waterproofing basements by trenching exterior foundation, applying waterproofing, replacing footing drainage around building and connecting to storm-sewer system, replacing pavement, regrading and relandscaping. (Project originally reported/approved for FY 85, but delayed due to unforeseen problems in design and contracting.)

12B (Historic Qtr's)	$5,090	$35,700	$40,790	(-0-)

Operations include $3,650 for utilities and $1,440 for services and management. Maintenance and repairs include $4,500 for routine maintenance and minor repairs, $31,200 for waterproofing basements by trenching exterior foundation, applying waterproofing, replacing footing drainage around building and connecting to storm-sewer system, replacing pavement, regrading and relandscaping. (Project originally reported/approved for FY 85, but delayed due to unforeseen problems in design and contracting.)

16A (Historic Qtr's)	$4,900	$35,700	$40,600	(-0-)

Operations include $3,460 for utilities and $1,440 for services and management. Maintenance and repairs include $4,500 for routine maintenance and minor repairs, $31,200 for waterproofing basements by trenching exterior foundation, applying waterproofing, replacing footing drainage around building and connecting to storm-sewer system, replacing pavement, regrading and relandscaping. (Project originally reported/approved for FY 85, but delayed due to unforeseen problems in design and contracting.)

16B (Historic Qtr's)	$4,940	$35,700	$40,640	(-0-)

Operations include $3,470 for utilities and $1,470 for services and management. Maintenance and repairs include $4,500 for routine maintenance and minor repairs, $31,200 for waterproofing basements by trenching exterior foundation, applying waterproofing, replacing footing drainage around building and connecting to storm-sewer system, replacing pavement, regrading and relandscaping. (Project originally reported/approved for FY 85, but delayed due to unforeseen problems in design and contracting.)

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Belgium				
Mons				
Domaine Gendebien				
#1	$26,830	$19,560	$46,390	(-0-)

Rent free leased quarters. Utilities are $20,900; furnishings are $2,800; remainder of operations $3,130 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs include $7,560 for minor routine repairs and $12,000 for painting of quarters.

Residence Lemnitzer				
#2	$25,200	$21,000	$46,200	(-0-)

Rent is $12,800. Utilities are $7,900; furnishings are $2,300; remainder of operations $2,200 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs include $4,200 for minor routine repairs, and $16,800 for painting interior and replacing carpeting in living-dining-library areas.

2 Rue Mahieu				
#11	$24,050	$16,320	$40,370	(-0-)

Rent is $13,200. Utilities are $6,400; furnishings are $1,500; strip cleaning floors is $1,200; remainder of operations $1,750 are for services, i.e., refuse collection, chimney sweeping, etc. and a prorated cost for management. Maintenance and repairs include $4,320 minor routine repairs, $9,000 for painting and $3,000 for grounds maintenance.

33 Chemin des Princes				
#18	$17,230	$16,200	$33,430	(-0-)

Rent is $7,900. Utilities are $6,500; furnishings are $1,000; remainder of operations $1,830 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs include $3,000 for minor routine repairs, $9,600 for painting and $3,600 for grounds maintenance.

Brussels				
Rue Jean Van Hoorenbeek				
#4	$28,740	$14,640	$43,380	(-0-)

Rent is $16,500. Utilities are $8,200; furnishings are $1,800; remainder of operations $2,240 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs include $3,850 for minor routine repairs, $6,000 for replacing carpeting and $4,790 for maintenance of grounds.

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Brussels (Cont'd) 154 Route Governmentale #5	$34,850	$5,880	$40,730	(-0-)

Rent is $25,000. Utilities are $7,900; furnishings are $800; remainder of operations $1,150 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs are $2,410 for routine repairs, and $3,470 for maintenance of grounds.

38 Chemin d'Hoogvorst #7	$26,520	$14,640	$41,160	(-0-)

Rent is $16,600. Utilities are $6,000; furnishings are $1,200; remainder of operations $2,720 are for services, i.e., refuse collection, chimney sweeping, etc. and a prorated cost for management. Maintenance and repairs include $1,790 for minor routine repairs, $9,600 for interior painting and refinishing walls and $3,250 for grounds maintenance.

27 Kerzelean #8	$38,950	$25,320	$64,270	(-0-)

Rent is $25,200. Utilities are $10,100; furnishings are $800; remainder of operations $2,850 are for services, i.e., refuse collection, chimney sweeping, etc. and a prorated cost for management. Maintenance and repairs include $3,290 minor routine repairs, $19,200 for painting and replacing carpeting and $2,830 for grounds maintenance.

52 Ave Val Au Bois #14	$30,680	$8,270	$38,950	(-0-)

Rent is $20,100. Utilities are $8,200; furnishings are $1,200; remainder of operations $1,180 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs include $6,670 for minor routine repairs and $1,600 for grounds maintenance

84 Route Governmentale #20	$27,580	$11,040	$38,620	(-0-)

Rent is $18,400. Utilities are $6,400; furnishings are $1,000; remainder of operations $1,780 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs include $2,040 for minor routine repairs, $7,800 for painting and $1,200 for grounds maintenance.

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DEPARTMENT OF THE ARMY
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GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
France				
Paris				
11 Rue Francois Ponsard				
#15	$32,800	$2,520	$35,320	(-0-)

Rent is $25,600. Utilities are $4,300; furnishings are $1,800; remainder of operations $1,100 are for services, i.e., refuse collection, chimney sweeping, etc., and a prorated cost for management. Maintenance and repairs include $2,520 for minor routine repairs.

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Germany				
Darmstadt				
4468 Saint Barbara	$4,700	$57,840	$62,540	(-0-)

Operations include $3,920 for utilities, $400 for furnishings and $380 for services and management. Maintenance and repairs include $2,640 for routine maintenance, $30,000 for repair of bathrooms, $24,000 for a prorated share of an exterior heat distribution project, $1,020 for a prorated share of repairs to water treatment facility and $180 for grounds maintenance.

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
4469 Saint Barbara	$4,330	$50,640	$54,970	(-0-)

Operations include $3,550 for utilities, $400 for furnishings and $380 for services and management. Maintenance and repairs include $2,400 for routine maintenance, $23,040 for repairs to bathrooms, $24,000 for a prorated share of an exterior heat distribution project, $1,020 for a prorated share of repairs to water treatment facility and $180 for grounds maintenance.

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Frankfurt				
202 Bad Vilbel	$8,100	$32,520	$40,620	(-0-)

Operations include $7,450 for utilities, $280 for furnishings and $370 for services and management. Maintenance and repairs include $2,510 for routine maintenance, $28,820 for repairs to bathrooms and electrical system, and $1,190 for grounds maintenance.

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
204 Bad Vilbel	$8,100	$33,920	$42,020	(-0-)

Operations include $7,450 for utilities, $280 for furnishings and $370 for services and management. Maintenance and repairs include $3,910 for routine maintenance, $28,820 for repairs to bathrooms and electrical system, and $1,190 for grounds maintenance.

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Germany				
Frankfurt (Cont'd)				
213 Bad Vibel	$9,210	$31,900	$41,110	(-0-)

Operations include $8,560 for utilities, $280 for furnishings and $370 for services and management. Maintenance and repairs include $1,560 for routine maintenance, $28,820 for repairs to bathrooms and electrical systems and $1,520 for grounds maintenance.

214 Bad Vibel	$7,980	$31,700	$39,680	(-0-)

Operations include $7,340 for utilities, $280 for furnishings and $360 for services and management. Maintenance and repairs include $1,690 for routine maintenance, $28,820 for repairs to bathrooms and electrical system and $1,190 for grounds maintenance.

215 Bad Vibel	$7,970	$31,980	$39,950	(-0-)

Operations include $7,280 for utilities, $280 for furnishings and $410 for services and management. Maintenance and repairs include $1,610 for routine maintenance, $28,820 for repairs to bathrooms and electrical system, and $1,550 for grounds maintenance.

216 Bad Vilbel	$10,270	$22,380	$32,650	(-0-)

Operations include $8,700 for utilities, $1,070 for furnishings and $500 for services and management. Maintenance and repairs include $2,240 for routine maintenance, $19,200 for repairs to electrical system and $940 for grounds maintenance.

2110 Edwards	$8,830	$30,920	$39,750	(-0-)

Operations include $8,200 for utilities, $260 for furnishings and $370 for services and management. Maintenance and repairs include $1,280 for routine maintenance and $28,820 for repairs to bathrooms and electrical system, and $820 for grounds maintenance.

2353 Hansa Allee	$3,320	$29,140	$32,460	(-0-)

Operations include $2,870 for utilities, $80 for furnishings and $370 for services and management. Maintenance and repairs include $320 for routine maintenance, $28,820 for repairs to bathrooms and electrical system.

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Germany				
Frankfurt (Cont'd)				
2357 Hansa Allee	$3,270	$29,430	$32,700	(-0-)

Operations include $2,460 for utilities, $430 for furnishings and $380 for services and management. Maintenance and repairs include $610 for routine maintenance and $28,820 for repairs to bathrooms and electrical system.

2359 Hansa Allee	$3,740	$30,510	$34,250	(-0-)

Operations include $3,280 for utilities, $80 for furnishings and $380 for services and management. Maintenance and repairs include $910 for routine maintenance, $28,820 for repairs to bathrooms and electrical systems and $780 for grounds maintenance.

2382 Hansa Allee	$2,920	$29,730	$32,650	(-0-)

Operations include $2,460 for utilities, $80 for furnishings and $380 for services and management. Maintenance and repairs include $910 for routine maintenance $28,820 for repairs to bathrooms and electrical systems.

Garmisch				
712	$2,840	$58,180	$61,020	(-0-)

Operations include $1,720 for utilities, $80 for furnishings and $1,040 for services and management. Maintenance and repairs include $720 for routine maintenance, $28,200 for repair/replacement of roof, $8,180 for repair of radiators, valves and associated piping and $21,080 for repairs to bathrooms including replacement of fixtures, plumbing and repairs to floors and walls.

Hanau				
1414 Fliegerhorst	$6,050	$42,600	$48,650	(-0-)

Operations include $5,610 for utilities and $440 for services and management. Maintenance and repairs include $7,800 for routine maintenance and minor repairs and $34,800 for whole house repairs. Major work was originally requested/approved for FY 86; however, it has been slipped to FY 87 during the anticipated change of occupancy.

Heilbronn				
#229 J.F. Kennedy Village	$3,400	$30,120	$33,520	(-0-)

Operations include $2,200 for utilities, $400 for furnishings and $800 for services and management. Maintenance and repairs include $360 for routine maintenance and $29,760 for repairs to kitchen and bathrooms.

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DEPARTMENT OF THE ARMY
FY 87 BUDGET
GENERAL/FLAG OFFICERS QUARTERS (GFOQ's) CONTINUED

STATE/ INSTALLATION-QTR'S NO.	OPERATIONS	MAINTENANCE & REPAIRS	TOTAL O.M&R	(NEW WORK)
Germany (Cont'd)				
Stuttgart				
#39 Richard Wagner Str.	$15,110	$33,600	$48,710	(-0-)

Operations include $12,800 for utilities, $1,200 for furnishings and $1,110 for services and management. Maintenance and repairs include $9,600 for routine maintenance, $6,000 for repairs to dwelling unit, $1,200 repairs to utility system and $16,800 for grounds maintenance.

Italy				
Verona				
#5	$28,510	$3,600	$32,110	(-0-)

Rent is $25,780, utilities are $1,830, furnishings are $410, remainder of operations $490 are for services, i.e., refuse collection, entomology, etc., and a prorated cost for management. Maintenance and repairs include $3,600 for minor routine repairs and change of occupancy maintenance.

Japan				
Camp Zama				
1000	$12,700	$53,100	$65,800	($5,000)

Operations include $8,680 for utilities, $3,000 for furnishings and $1,020 for services and management. Maintenance and repairs include $700 for routine maintenance, $5,000 for repairs and maintenance during a change of occupancy, $21,000 for replacement of heating system and water lines, $17,100 for exterior painting and replacement of doors, $7,300 for replacement of venetian blinds and $2,000 for grounds maintenance. New work consists of installing wall and ceiling insulation through the energy conservation investment program.

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FAMILY HOUSING, ARMY
OPERATION AND MAINTENANCE
FISCAL YEAR 1987 BUDGET ESTIMATE

(Excludes Leased Units and Costs)

A. **INVENTORY DATA**	FY 86 ESTIMATE	FY 87 BUDGET ESTIMATE
Units in Being Begin of Year	156,652	157,388
Units in Being at End of Year	157,388	158,629
Average Inventory for Year Requiring O&M Funding		
a. Conterminous U.S.	88,326	88,861
b. U.S. Overseas	22,747	19,640
c. Foreign	45,947	49,508
d. Worldwide	157,020	158,009

B. **FUNDING REQUIREMENT**	Total Est. ($000)	Unit Cost ($)	Total Est. ($000)	Unit Cost ($)
1. **OPERATIONS**				
a. Maintenance (Incl HRO)	68,000	432	72,686	458
b. Services	44,500	283	44,719	282
c. Furnishings	100,000	635	120,815	762
d. Miscellaneous	1,002	6	650	4
TOTAL OPERATIONS	213,502	1,357	238,870	1,506
2. **UTILITIES**	280,000	1,779	268,596	1,693
3. **MAINTENANCE**				
a. Maintenance and Repair of Dwellings	368,480	2,341	342,718	2,161
b. Exterior Utilities	66,640	423	125,213	789
c. Maintenance and Repair of Other Real Property	110,320	701	105,813	667
d. Alterations and Additions	14,560	93	14,108	89
TOTAL MAINTENANCE	560,000	3,558	587,852	3,706
4. **APPROPRIATION**	1,053,502	6,694	1,095,318	6,905
5. Reimbursable Program	13,200	84	14,000	88
6. **TOTAL PROGRAM**	1,066,702	6,778	1,109,318	6,993

Note: Unit costs may not add due to rounding.

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ARMY FAMILY HOUSING
FY 87 BUDGET

LEASING

(In Thousands)
FY 1987 Program $173,885
FY 1986 Program $113,567

Purpose and Scope

This program provides for the payment of rent, operation and maintenance of economy quarters for assignment as public quarters to families. Rents are paid only when the Army accepts units for occupancy. This program also includes funds needed to pay for services such as utilities, refuse collection and maintenance when these services are not part of the contract agreement.

a. Domestic Leasing: Leasing in the United States, Puerto Rico and Guam is authorized in 10 U.S.C. 2828. This statute provides that leases may be acquired at or near a military installation only if the Secretary of the Army, or his designee, finds there is a shortage of adequate housing and (1) the requirement is temporary, (2) leasing would be more cost effective than construction or acquisition of new housing, (3) family housing is required for personnel attending service school academic courses on permanent change of station orders, (4) construction of family housing at the military installation has been authorized by law but is not yet completed, or (5) a military construction authorization bill pending in Congress includes a request for authorization of family housing construction at the military installation. Based on a recent OSD policy decision, domestic leasing will be limited to locations where large family housing deficits exist and housing allowances are not sufficient to rent adequate economy housing. Also, leasing will be used as a temporary measure to provide housing until permanent housing (i.e., government construction and/or Sections 801/802) are available for occupancy.

The CONUS build-to-lease program is authorized in Section 801 of PL 98-115, 11 October 1983, as a test program. It was extended by Section 806, PL 98-407, Section 8109, PL 98-473, 98 STAT.1943, and Section 801, PL 99-167. The CONUS Rental Guarantee program is authorized in Section 802 of PL 98-115, 11 October 1983, and was also extended by Section 801, PL 99-167. It permits the Army to guarantee 97 percent occupancy of housing units constructed at CONUS locations.

b. Foreign Leasing: Leasing in foreign countries is authorized in 10 U.S.C. 2828. This law provides that foreign leases may be acquired if the Secretary of the Army, or his designee, finds that (1) the requirement for such housing is temporary, (2) leasing would be more cost affective than construction or acquisition of new housing, (3) construction of family housing at the installation has been authorized by law but is not yet completed, (4) a military construction authorization bill pending in Congress includes a request for authorization of construction of family housing at the installation, (5) the quarters are for incumbents of special command positions, (6) the cost of private housing in the foreign country is excessive or other lease terms would cause undue hardship on Department of the Army personnel, or (7) the foreign country prohibits leases by individual military or civilian personnel of the United States. Limitations on the number of family housing leases and costs in foreign countries are specified annually.

PROGRAM SUMMARY

Authorization is requested for the appropriation of $173,885 to fund leases and related expenses in FY 87.

Authorization in FY 87 is required for (a) 825 domestic leases, (b) 6,600 Section 801 leases, (c) 1,200 Section 802 family housing units, and (d) 22,581 foreign leases. A summary of the leasing program follows:

	FY 85		FY 86		FY 87	
	Authorization Units*	Cost $000	Authorization Units*	Cost $000	Authorization Units*	Cost $000
Domestic Leases	36	100	228	813	825	4,310
Section 801 Leases	2,400	458	3,600	1,707	6,600	26,936
Section 802 Units	600	0	1,200	0	1,200	0
Foreign Leases	18,982	98,209	20,181	111,047	22,581	142,639
TOTAL	22,018	98,767	25,209	113,567	31,206	173,885

*Authorization is normally required 24-48 months prior to actual occupancy due to the lead time required to advertise, negotiate and construct leased units under the build-to-lease concept. Funds are required for the average number of units to be occupied during each fiscal year as follows:

14 February 1986

	FY 85	FY 86	FY 87
Domestic	23	135	604
Section 801	0	350	2,325
Foreign	12,680	14,540	16,880
TOTAL	12,703	15,025	19,809

JUSTIFICATION:

Domestic Leasing: The domestic leasing program is being revitalized to provide temporary housing at Forts Ord and Drum and other locations for our junior enlisted families pending availability of permanent housing. At Fort Ord, the cost of housing in the private sector is prohibitive, especially for enlisted families. Leasing a limited number of units will provide an interim solution until government housing is ready for occupancy. Fort Drum's leasing program will also provide interim relief for those soldiers assigned to this location pending completion of Section 801 housing and government construction. Additionally, these units provide temporary relief for families now eligible for on-post housing (i.e., E1-E3). The Army set a goal to eliminate the total family housing deficit by FY 90 by programing housing for E1-E3 families concurrently with E4's and above.

Section 801: The Army developed four projects at Forts Drum, Wainwright, Polk and Hood in FY 85. These projects were advertised and are in the various stages of approval/award. Expansion during FY 86 assists in reducing our CONUS family housing deficit at sites where lower enlisted families are most seriously affected by housing shortages. Funds are requested for the payment of lease costs as well as operation and maintenance expenses only for the time period Section 801 units are actually occupied. Authority to extend this program is included in the FY 87 legislative language. The 3,000 additional allocations are requested for:

LOCATION	UNITS	LOCATION	UNITS
Ft Wainwright, AK	350	Aberdeen Proving Ground, MD	285
Ft Benning, GA	108	Ft Bragg, NC	119
Oahu Consolidated Family Housing Office, HI	400	Ft Bliss, TX	300
Ft Sheridan, IL	63	Ft Hood, TX	300
Ft Campbell, KY	300	Ft Eustis, VA	117
Ft Polk, LA	423	Ft Story, VA	167
		Ft McCoy, WI	68

Section 802: Two locations (i.e., 600 units) were submitted to Congress for approval. Both projects will be awarded and completed by the end of FY 87. There is no anticipated funding requirement for these rental guarantee projects. Two additional locations are included in the FY 86 program for 600 units. Authority to extend this program is also included in the FY 87 legislative language.

14 February 1986

Foreign Leasing: The FY 87 foreign leasing program request, 22,581 units, consists of the following requirements: (1) 20,181 units approved by the PL 99-167 and (b) 2,400 units for junior enlisted families who are inadequately housed in the European Theater. Leasing is proposed in those locations where it is in the best interest of the U.S. Government. An increase in the authorization will provide for the execution of a logical acquisition plan to negotiate build-to-lease contracts in communities where family housing shortages are severe.

The authorization for units not occupied by the end of FY 87 (5,494 units) are required to allow build-to-lease contracts to be negotiated and signed. Approximately 24-48 months are required from the time units are authorized to the time the U.S. Government signs a contract for beneficial occupancy. Failure to provide requested lease authorization and funding will negatively impact on the morale of soldiers and their families. Critical shortages of housing for forward deployed forces and scarcity of land in foreign countries limit our ability to find economy assets. In many locations, lack of land on the military installation precludes on-post construction. In areas where government controlled land is not available, build-to-lease housing ventures continue to provide a successful and viable means of satisfying our large housing requirement. Increases in housing allowances do not provide any significant relief, since there are insufficient private rentals available at most locations. This approach is endorsed by both the United States and foreign governments, and continues to be attractive to private investors and financial backers.

Funds in FY 87, $142,639,000 are requested for an average of 16,880 units to be occupied during the year. There will be 17,257 units actually occupied by the end of the fiscal year. This level is $31,592,000 over that which is required in FY 86. The increase is required for the following (a) the annualization of lease costs for units originally occupied in FY 86 in Korea and Europe, approximately 1,800 units, and continued for a full year in FY 87, $6,873,000; (b) the reduction in purchasing power of the dollar in relation to foreign currencies, $13,857,000; (c) the price increases of lease costs, as well as the services, utilities, and maintenance provided to lease units, $4,347,000; and (d) the additional units being occupied during FY 87, 1,800 additional units, $6,515,000.

SUMMARY: A summary of authorizations and funds required is provided on the following pages.

14 February 1986

ARMY FAMILY HOUSING
FY 87 BUDGET
LEASING PROGRAM

	FY 85			FY 86			FY 87		
	UNITS AUTHORIZED	NO. OF LEASE MONTHS PURCHASED	COST ($000)	UNITS AUTHORIZED	NO. OF LEASE MONTHS PURCHASED	COST ($000)	UNITS AUTHORIZED	NO. OF LEASE MONTHS PURCHASED	COST ($000)
DOMESTIC									
Ft Ord, CA	28	156	65	125	765	300	125	1,434	960
Oahu Consolidated Family Housing Office, HI	0	0	0	0	0	0	250	2,250	969
Ft Sheridan, IL	1	12	5	0	0	0	0	0	0
US Army Recruiting Command (USAREC), IL	5	60	27	3	21	13	0	0	0
Ft Campbell, KY	0	0	0	0	0	0	100	900	461
Ft Drum, NY	0	0	0	100	600	500	100	1,200	960
Ft Hood, TX	0	0	0	0	0	0	250	2,250	960
Military District of Washington, DC	2	12	3	0	0	0	0	0	0
TOTAL DOMESTIC	36	240	100	228	1,386	813	825	8,034	4,310
TOTAL 801	2,400	0	458	3,600	1,100	1,707	6,600	25,045	26,936
TOTAL 802	600	0	0	1,200	0	0	1,200	0	0
FOREIGN									
Bangladesh	2	24	31	2	24	32	2	24	32
Belgium	257	2,580	1,569	228	2,580	1,663	221	2,580	1,745
Egypt	2	12	15	1	12	16	1	12	17
France	1	12	27	1	12	25	1	12	28
Germany	15,395	130,800	74,255	16,342	141,738	80,517	18,922	168,288	112,876
Greece	1	12	15	1	12	17	1	12	19

14 February 1986

	FY 85			FY 86			FY 87		
	UNITS AUTHORIZED	NO. OF LEASE MONTHS PURCHASED	COST ($000)	UNITS AUTHORIZED	NO. OF LEASE MONTHS PURCHASED	COST ($000)	UNITS AUTHORIZED	NO. OF LEASE MONTHS PURCHASED	COST ($000)
India	1	12	14	1	12	15	1	12	16
Indonesia	1	12	15	1	12	16	1	12	17
Israel	1	12	18	1	12	18	1	12	19
Italy	642	6,600	4,851	550	6,600	5,288	407	5,568	4,814
Ivory Coast	1	12	15	1	12	15	1	12	16
Korea	1,972	15,096	10,989	1,970	15,846	15,962	1,970	17,121	16,090
Liberia	1	12	15	1	12	15	1	12	16
Malawi	1	12	14	1	12	15	1	12	16
Malaysia	1	12	14	1	12	15	1	12	16
Morocco	1	12	15	1	12	15	1	12	16
Netherlands	242	1,956	1,559	163	1,956	1,684	133	1,686	1,503
Pakistan	1	12	14	1	12	15	1	12	16
Panama	430	2,160	4,595	900	3,360	5,523	900	4,824	5,181
Sudan	1	12	11	1	12	15	1	12	16
Tunisia	4	48	62	4	48	65	4	48	66
Turkey	20	60	50	5	60	53	5	60	55
United Kingdom	3	36	31	3	36	32	3	36	33
Yugoslavia	1	12	15	1	12	16	1	12	16
TOTAL FOREIGN	18,982	159,528	98,209	20,181	172,416	111,047	22,581	200,403	142,639
TOTAL	22,018	159,768	98,767	25,209	174,902	113,567	31,206	233,482	173,885

14 February 1986

ARMY FAMILY HOUSING

FY 1987 Section 801 and Section 802 Family Housing Summary

(Dollars in thousands)

Section 801 Housing Location	No. of Units	FY of Initial Auth	Date of Award	Date of Full Occup	Total Annual Cost (FY87 $)	FY86 Units	FY86 Cost	FY87 Units	Approp Request
Ft Wainwright, AK	400	85	Jan 86	Jul 87	9,144	0	125	400	5,030
Ft Polk, LA	300	84	Dec 85	Jun 87	2,758	0	125	300	2,491
	300	86	Sep 86	Mar 88	2,880	0	0	150	520
Ft Drum, NY	1,400	85	Aug 85	Mar 87	15,103	350	1,191	1,400	14,589
	300	86	Sep 86	Mar 88	3,204	0	0	150	880
Ft Hood, TX	300	84	Mar 86	Sep 87	3,154	0	125	300	1,976
Oahu Consolidated Family Housing Office, HI*	600	86	Sep 86	Jan 88	9,720	0	141	300	1,450
TOTAL	3,600	N/A	N/A	N/A	$45,963	350	$1,707	3,000	$26,936

*Air Force Authorization to be utilized by the Joint Housing Office

14 February 1986

ARMY FAMILY HOUSING

FY 1987 Section 801 and Section 802 Family Housing Summary

(Dollars in thousands)

Section 802 Housing Location	No. of Units	FY of Initial Auth	Date of Award	Date of Full Occup	Total Annual Cost (FY87 $)	FY86 Units	FY86 Cost	FY87 Units	Approp Request
Ft Rucker, AL	300	84	Sep 85	Apr 87	0	0	0	300	0
Ft Campbell, KY	300	84	Sep 85	Sep 86	0	300	0	300	0
Ft Hood, TX	500	86	Sep 86	Apr 88	0	0	0	0	0
St Louis Area Support Center, IL	100	86	Sep 86	Apr 88	0	0	0	0	0
TOTAL 802	1,200	NA	NA	NA	0	300	0	600	0

14 February 1986

ARMY FAMILY HOUSING
FY 1987 BUDGET

DEBT PAYMENT

(In Thousands)
FY 1987 Program $ 8,063
FY 1986 Program $16,077

Purpose and Scope

This program includes payment of mortgage principal, interest and other expenses on remaining indebtedness for Capehart and acquired Wherry housing and payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel for housing purchased by them.

Program Summary

Authorization is required for the appropriation of $8,063,000.

A summary of the status of the indebtedness assumed by Army to acquire quarters for military family housing is as follows:

	(In Thousands)		
	1985 Actual	1986 Estimate	1987 Estimate
Total Debt Incurred:	711,615	711,615	711,615
Less:			
Debt retirement:			
(a) Prior Year	664,224	684,269	699,333
(b) During year	20,045	15,064	7,646
Remaining debt, end of year:	27,346	12,282	4,636

14 February 1986

ARMY FAMILY HOUSING
FY 1987 BUDGET

DEBT PAYMENT
($000)

TOA:	FY 1986	FY 1987
Interest and Other Expense		
Capehart	765	275
Wherry	153	72
SUBTOTAL	918	347
Mortgage Insurance Premiums	95	70
Servicemen's		
SUBTOTAL		
Total Obligating Authority	1,013	417
FINANCING ADJUSTMENTS:	0	0
BUDGET AUTHORITY:		
Appropriation	16,077	8,063
Portion Applied to Debt Reduction		
Capehart	11,953	6,827
Wherry	3,111	819
SUBTOTAL	15,064	7,646
Appropriation (Adjusted)	1,013	417
FY 1987 APPROPRIATION RECAPITULATION		
Capehart		7,102
Wherry		891
Servicemen's Mortgage		70
Insurance Premiums		-
TOTAL		8,063

14 February 1986

ARMY FAMILY HOUSING
FY 1987 BUDGET

DEBT PAYMENT - CAPEHART HOUSING
($000)

PROGRAM JUSTIFICATION

This program includes payments of mortgage principal and interest and other expenses related to Capehart Housing. Total appropriation funds in the amount of $7,102,000 are requested for this program for FY 1987. This amount will completely fund the Fiscal Year 1987 program for Capehart Housing. Below is a summary of Fiscal Year 1987 debt payment requirements for Capehart Housing owned as of 1 October 1986. Through FY 1986, 170 mortgages will be retired. In FY 1987, 36 mortgages will be retired.

No. of Units Acquired	Original Mortgage	Amount Owed 1 Oct 86	Payments Required - FY 1987
24,940	395,389	9,533	7,102

14 February 1986

ARMY FAMILY HOUSING
FY 1987 BUDGET

DEBT PAYMENT - WHERRY HOUSING
($000)

PROGRAM JUSTIFICATION

This program includes payments of mortgage principal and interest related to Wherry Housing. Total appropriation funds in the amount of $891,000 are requested for this program for FY 1987. This amount will completely fund the Fiscal Year 1987 program for Wherry Housing. Below is a summary of Fiscal Year 1987 debt payment requirements for Wherry Housing owned as of 1 October 1986. Through FY 1986, 58 mortgages will be retired. In FY 1987, 8 mortgages will be retired.

No. of Units Acquired	Original Mortgage	Amount Owed 1 Oct 86	Payments Required - FY 1987
3,638	28,315	2,141	891

SCHEDULE OF PAY OFFS

CAPEHART AND WHERRY HOUSING MORTGAGES

YEAR		CAPEHART	WHERRY	TOTAL
1982		6	0	6
1983		31	7	38
1984		69	22	91
1985		42	11	53
1986		22	18	40
1987		36	8	44
1988		25	2	27
1989		1	1	2
1996		0	1	1
	TOTAL	232	70	302

14 February 1986

ARMY FAMILY HOUSING
FY 1987 BUDGET

DEBT PAYMENT - SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

PROGRAM JUSTIFICATION

The purpose of this program is to provide for the payment of the one-half percent Servicemen's Mortgage Insurance premiums to FHA for mortgages assumed by active military personnel on housing purchased by them.

Funds in the amount of $70,000 are estimated to be required for this program for FY 1987. This amount will fund premium payments on existing Section 222 mortgages only. In accordance with Congressional desires to reduce duplication of effort in the VA and FHA programs, no new cases are programed for FY 1987.

FY	NEW CASES	TERMINATIONS	ON HAND	AVERAGE PAYMENT	PROGRAMED AMOUNT
1985	0	114	870	138.00	120,000
1986	0	90	780	122.00	95,000
1987	0	81	699	100.00	70,000

Homeowners Assistance Fund, Defense

(In Thousands)
FY 1986 Program - $1,300
FY 1987 Program - $6,000

Purpose and Scope

This program is authorized in Public Law 89-754 (80 Stat. 1255, 1290), as amended. It reduces financial losses to military and civilian employee homeowners incurred through disposal of their homes because of base closures or reductions in the scope of operations. Assistance is by either reimbursement for certain losses on private sale or foreclosures, or purchase by the Secretary of Defense. In order to qualify, the homeowner must be the owner-occupant of a one- or two-family dwelling. The Department of the Army administers this program.

Program Summary

The resources necessary to finance this program are derived partially from the recovery of the government investments in properties through sale and partially through appropriation. The program has received no appropriation since FY 1983 but due to increased activity an appropriation is required in FY 1987.

A summary of the funding for FY 1987 follows:

	Total Program ($000)	Less: Resources Applied ($000)	Requested Appropriation Amount ($000)
Army	$6,000	$-0-	$6,000

ARMY NATIONAL GUARD

MILITARY CONSTRUCTION

PROGRAM

FY 1987

JUSTIFICATION DATA SUBMITTED TO CONGRESS

FEBRUARY 1986

DEPARTMENT OF THE ARMY

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MILITARY CONSTRUCTION, ARMY NATIONAL GUARD

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Summary Project List
Army National Guard
Military Construction Program - FY 1987
(Dollars in Thousands)

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
	INSIDE THE UNITED STATES			
Alabama	Fort McClellan			
	State Military Academy/ General Instruction Buildings	825	825	3
	Subtotal	825	825	
Arkansas	Arkadelphia			
	Armory Addition/ Alteration	584	584	7
	Camp Robinson (North Little Rock)			
	Wastewater System Improvement	711	711	11
	Water System Improvement	454	454	14
	Subtotal	1,749	1,749	
Delaware	Dagsboro			
	Organizational Maintenance Shop	396	396	19
	Subtotal	396	396	

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Florida	Camp Blanding (Starke) Mobilization & Training Equipment Site (MATES) Addition/Alteration	1,043	1,043	23
	Crystal River 200-Person Armory	1,017	1,017	27
	Panama City Armory Addition/Alteration	809	809	31
	Sarasota Armory Addition/Alteration	617	617	36
	Tavares Organizational Maintenance Shop (OMS)	487	487	42
	Subtotal	3,973	3,973	
Idaho	Gowen Field (Boise) Tank Commanders Academy Complex	2,935	2,935	46
	Subtotal	2,935	2,935	
Illinois	Chicago (General Jones) Armory Rehabilitation	1,573	1,573	52
	Subtotal	1,573	1,573	
Iowa	Camp Dodge (Johnston) Sewage System Modification	806	806	57
	Regional Maintenance Training Site (RMTS)	839	839	62
	Subtotal	1,645	1,645	

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Louisiana	Delhi 60-Person Armory	859	859	67
	Farmerville 60-Person Armory	835	835	71
	Ville Platte 60-Person Armory	690	690	75
	Subtotal	2,384	2,384	
Maryland	Edgewood 400-Person Armory	5,723	5,723	80
	Subtotal	5,723	5,723	
Massachusetts	Camp Curtis Guild (Reading) Organizational Maintenance Shop (OMS)	543	543	86
	Subtotal	543	543	
Michigan	Camp Grayling Automated Record Fire Range	665	665	90
	Automated Field Fire Range	553	553	92
		1,218	1,218	
Minnesota	Albert Lea 100-Person Armory	843	843	96
	Camp Ripley (Little Falls) Training Facility - Anti-Armor Tracking and Live Fire Range	592	592	101
	Troop Issue Subsistence Activity (TISA)	3,031	3,031	103

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Minnesota (Continued)	Detroit Lakes Organizational Maintenance Shop (OMS) Addition/ Alteration	374	374	108
	Moorhead 200-Person Armory	1,331	1,331	113
	Subtotal	6,171	6,171	
Mississippi	Camp Shelby Regional Maintenance Training Site	1,214	1,214	119
	Subtotal	1,214	1,214	
Montana	Billings Organizational Maintenance Shop	410	410	124
	Subtotal	410	410	
Nebraska	Hastings Unit Training Equipment Site (UTES)	581	581	128
	Subtotal	581	581	
New Jersey	Sea Girt Baffled Ranges	567	567	132
	Subtotal	567	567	
New York	Dryden 200-Person Armory	1,670	1,670	136
	Subtotal	1,670	1,670	

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
North Carolina	Fort Bragg Regional Maintenance Training Site (RMTS)	1,211	1,211	142
	Morrisville 400-Person Armory	2,061	2,061	147
	Army Aviation Support Facility (AASF)	3,698	3,698	150
	Subtotal	6,970	6,970	
North Dakota	Bismarck 800 Person Armory	5,295	5,296	156
	Subtotal	5,295	5,295	
Oregon	Ashland 100-Person Armory	1,048	1,048	161
	Camp Withycombe (Clackamas) Communication/Electronic Canvas & Carpentry Shop	663	663	165
	Eugene Armory Addition/ Alteration	503	503	170
	Subtotal	2,214	2,214	
Pennsylvania	Williamstown Armory Addition/ Alteration	533	533	175
	Subtotal	533	533	
Rhode Island	Warwick Armory Addition/ Alteration	2,880	2,880	180
	Subtotal	2,880	2,880	

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Tennessee	Hohenwald 60-Person Armory	656	656	185
	Milan Arsenal (Milan) Training Facilities, Phase III	2,697	2,697	189
	Millington (Memphis NAS) 60-Person Armory	1,013	1,013	193
	Nashville U.S. Property & Fiscal Officer (USPFO) Office & Warehouse Addition	644	644	197
	Pulaski 100-Person Armory	650	650	201
	Subtotal	5,660	5,660	
Texas	Abilene Armory Addition/ Rehabilitation	924	924	205
	Decatur Armory Addition/ Rehabilitation	801	801	209
	Waxahachie Armory Addition/ Rehabilitation	774	774	213
	Subtotal	2,499	2,499	
Utah	Draper State Military Headquarters Complex Acquisition	5,376	5,376	218
	Subtotal	5,376	5,376	

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Virginia	Charlottsville Armory Addition/ Alteration	910	910	223
	Fredericksburg Armory Addition/ Alteration	1,239	1,239	227
	Leesburg 100 Person Arrmoy	1,024	1,024	231
	Lexington 60 Person Armory	897	897	235
	Manassas Armory Addition/ Alteration	903	903	239
	Staunton Armory Addition/ Alteration	1,302	1,302	244
	Subtotal	6,275	6,275	
Wyoming	Camp Guernsey Mess Hall Rehabilitation/ Addition	641	641	248
	Subtotal	641	641	
Subtotal Within the United States		71,920	71,920	
	OUTSIDE THE UNITED STATES - NONE			
SUPPORT				
Minor Construction (Unspecified)		4,647	4,647	251
Planning and Design		19,000	19,000	252
Minor Construction (Specified)		25,533	25,533	253 - 286
	Subtotal	49,180	49,180	
Grand Total Authorization/TOA		121,100	121,100	

DEPARTMENT OF THE ARMY ANNUAL BUDGET ESTIMATES **LANGUAGE SHEET**	APPROPRIATION Military Construction, Army National Guard	FY 1987 BUDGET

SECTION I - LANGUAGE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army National Guard, as authorized by Chapter 133 of Title 10, United States Code, as amended, and the Reserve Forces Facilities Act $121,100,000 ($102,205,000) (1)(2) to remain available until 30 September 1991 (30 September 1990).

Section 2 - EXPLANATION OF LANGUAGE

(1) Insertion of the FY 87 budget request.
(2) Deletion of the FY 86 appropriation.

.PK Army Nelson COONCE 2085a

Mil. Con., Army National Guard REPORT 21 04 Feb 86
Program and Financing (in Thousands of dollars) SUMMARY PAGE 834
TPGE 1044

Identification code 21-2085-0-1-031	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction	73,517	74,843	97,453	73,088	74,120	93,100
00.0201 Minor construction	16,086	15,000	4,647	16,018	12,306	5,769
00.0301 Planning	9,000	12,362	19,000	9,817	12,362	19,000
10.0001 Total	98,603	102,205	121,100	98,923	98,788	117,869
Financing:						
17.0001 Recovery of prior year obligations				-394		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-11,691	-11,705	-15,122
21.4007 Reprograming from/to prior year budget pla	-60					
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				11,705	15,122	18,353
25.0001 Unobligated balance lapsing	60			60		
40.0001 Budget authority (Appropriation)	98,603	102,205	121,100	98,603	102,205	121,100
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				98,923	98,788	117,869
72.4001 Obligated balance, start of year				104,388	114,314	126,856
74.4001 Obligated balance, end of year				-114,314	-126,856	-156,276
77.0001 Adjustments in expired accounts				-77		
78.0001 Adjustments in unexpired accounts				-394		
90.0001 Outlays				88,527	86,246	88,449

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PK Army          Nelson          COONCE                                         2085a

                                      Mil. Con., Army National Guard                REPORT 21     04 Feb 86
                                Object Classification (in Thousands of dollars)  SUMMARY          PAGE  835
---------------------------------------------------------------------------------------------------TPGE 1045
dentification code    21-2085-0-1-051                              1985 actual    1986 est.     1987 est.
-----------------------------------------------------------------------------------------------------------
        Direct obligations:
           Other services:
25.004       Other                                                      7,367        7,181         9,842
26.001     Supplies and materials                                          55           53            73
31.001     Equipment                                                       20           20            27
32.001     Lands and structures                                        91,481       91,534       107,927
                                                                  -----------  -----------   -----------
99.001     Total Direct obligations                                    98,923       98,788       117,869

                                                                  -----------  -----------   -----------
99.901     Total obligations                                           98,923       98,788       117,869
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SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT: The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution programs at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY CONSERVATION: Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy savings devices. Projects are designed for minimum energy consumption.

FLOODPLAIN MANAGEMENT AND WETLANDS PROTECTION: Proposed land acquisition, disposition, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order No. 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL: In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PRESERVATION OF HISTORICAL SITES AND STRUCTURES: Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places except as noted on DD Form 1391.

ENVIRONMENTAL PROTECTION: In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

ECONOMIC ANALYSIS: Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

RESERVE MANPOWER POTENTIAL: The reserve manpower potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION FORT McCLELLAN, ALABAMA		4. AREA CONSTR COST INDEX 0.80

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY IS USED FOR WEEKEND TRAINING THROUGHOUT THE ENTIRE YEAR. THIS SITE IS ALSO USED FOR ANNUAL TRAINING BY ALABAMA ARMY NATIONAL GUARD TROOPS AND OTHER GUARD AND RESERVE TROOPS IN SURROUNDING STATES. THE SITE IS APPROVED AS A 1000 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARMY: FORT McCLELLAN (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	STATE MILITARY ACADEMY/ GENERAL INSTRUCTION BUILDINGS	19,152 SF	825	1/85	11/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

14 AUG 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 89	TRAINING FACILITIES	$1,955

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
PORT McCLELLAN, ALABAMA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				20,224	2190	18034
ACTUAL	N/A				21,077	2169	18908

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
ALABAMA ARMY NATIONAL GUARD TROOPS	20,224	21,077

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

2

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION FT McCLELLAN, ALABAMA	4. PROJECT TITLE STATE MILITARY ACADEMY/ GENERAL INSTRUCTION BUILDINGS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	171	287	825

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				709
GENERAL INSTRUCTION BUILDING	SF	19,152	37.00	(709)
SUPPORTING FACILITIES				77
SITE PREPARATION	LS	-	-	(25)
PAVING (OFF-STREET PARKING)	SY	5,645	7.50	(42)
SIDEWALKS	SF	1,000	2.00	(2)
UTILITIES	LS	-	-	(5)
PLANTING	LS	-	-	(3)
SUBTOTAL				786
CONTINGENCY (5%)				39
SUPERVISION, INSP&OVERHEAD-FED (1.50%)..NON ADD				(12)
TOTAL REQUEST				825
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consist of concrete masonry block general instruction buildings. Classroom buildings will be heated and air conditioned. Utility connections are included in the construction.

Air Conditioning - 60 tons

11. REQUIREMENT: 19,152 SF ADEQUATE: 0 SF SUBSTANDARD: 8,308 SF

PROJECT: Buildings designed for classrooms and instructor areas to support units organized under a Modification Table of Organization and Equipment or a Table of Distribution and Allowance. This project will also support the Officer Candidate School, Advanced Non-Commissioned Officer Schools and Primary Leadership Development Courses.

REQUIREMENT: These facilities are urgently needed to support the training of using units and the Alabama Military Academy. Facilities will support the Alabama National Guard, other State National Guards and United States Army Reserve units.

CURRENT SITUATION: The Alabama training site is currently using two 50-person and one 70-person classrooms consisting of 8,308 SF. These classrooms were constructed in 1940. The air conditioning in these buildings are window units and are in need of replacement. The latrines in these buildings are completely inadequate. During peak training periods, classrooms must be improvised out of existing barracks.

IMPACT IF NOT PROVIDED: The Alabama Army National Guard cannot provide adequate classroom space for using units to teach individual skills, Battalion Training Management System Principles and unit requirements. Therefore, the readiness of using units and the Alabama Army National Guard will decline below Department of Defense requirements.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION FT McCLELLAN, ALABAMA		
4 PROJECT TITLE STATE MILITARY ACADEMY/GENERAL INSTRUCTIONS BUILDINGS		5 PROJECT NUMBER 287

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started............................ 1/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete...........................11/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (37)
(d) Contract... (37)
(e) In-house... (0)

(4) Construction Start....................................4/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 F[illegible]
3. INSTALLATION AND LOCATION ARKADELPHIA, ARKANSAS		4. AREA CONSTR COST INDEX .89

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE (5) DAYS PER WEEK WITH A TWO (2) DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USAR:	ARKADELPHIA				
ARNG:	MALVERN	(28 MILES)	150-PERSON ARMORY	19,340 SF	1978
	PRESCOTT	(31 MILES)	60-PERSON ARMORY	11,630 SF	1976

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	ARMORY ADDITION/ALTERATION	19,746 SF	584	6/85	2/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

22 OCT 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"

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PAGE NO

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION

ARKADELPHIA, ARKANSAS

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1		1		84	3	81
ACTUAL	1		1		76	3	73

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
DETACHMENT 1, COMPANY A, 1ST BATTALION, 153RD INFANTRY	84	76

UIC WPQMAI
TPSN 1303941

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	2	2
TRAILERS	2	2

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 81 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1980

3. INSTALLATION AND LOCATION ARKADELPHIA, ARKANSAS	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 555	8. PROJECT COST ($000) 584

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				680
ARMORY ALTERATION	SF	12,772	32.50	(415)
ARMORY ADDITION	SF	6,974	38.00	(265)
SUPPORTING FACILITIES				67
SITE PREPARATION (100% STATE)	LS	-	-	(5)
FINE GRADING, SEEDING & PLANTING	LS	-	-	(11)
FENCING	LF	180	12.00	(2)
PARKING: MILITARY & OFF-STREET	SY	2,552	10.00	(26)
UTILITIES	LS	-	-	(6)
SIDEWALK & FLAGPOLE	LS	-	-	(5)
ACCESS ROAD	SY	1,200	10.00	(12)
SUBTOTAL				747
CONTINGENCY (5%)				37
FEDERAL SHARE				584
STATE SHARE ... NON ADD				(200)
SUPERVISION, INSP&OVERHEAD-FED (1.50%) .. NON ADD				(9)
TOTAL REQUEST				584
EQUIP PROVIDED FROM OTHER FED APPR ... NON ADD				(16)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A total renovation of the existing armory facility plus a permanent masonry addition of brick and concrete block units with concrete floors. Supporting facilities include military and off-street parking areas.
Air Conditioning - 7.5 tons

11. REQUIREMENT: 19,746 SF ADEQUATE: 0 SF SUBSTANDARD: 12,772 SF

PROJECT: Rehabilitation of existing 12,772 SF armory plus construction of an additional 6,974 SF. The rehabilitation and addition will permit better training and improved readiness of the assigned unit.

REQUIREMENT: This construction is required to provide adequate facilities for Detachment 1, Company A, 1/153 Infantry. This project will provide the necessary classrooms, storage, administration and vehicle parking areas to properly accommodate the assigned unit.

CURRENT SITUATION: The present armory consists of 12,772 SF and was constructed in 1940. The existing building areas are structurally sound as determined by a qualified Architect-Engineer firm and will permit rehabilitation and expansion economically. The total space also permits expansion. The existing building is inadequate due to age and also to inadequate space in classrooms, unit storage and vehicle parking as currently allowed.

IMPACT IF NOT PROVIDED: The assigned unit will be required to use the overcrowded facilities with a deficiency of 6,974 SF. The existing adverse conditions will continue to have a detrimental effect on troop morale, affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB [illegible]
3 INSTALLATION AND LOCATION ARKADELPHIA, ARKANSAS		
4 PROJECT TITLE ARMORY ADDITON/ALTERATION		5 PROJECT NUMBER 555

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 6/85
(b) Percent Complete as of January 1986 .... 60%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 2/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (26)
(d) Contract... (26)
(e) In-house... (0)

(4) Construction Start.................................... 12/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	16

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 86
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS		4. AREA CONSTR COST INDEX 0.83

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY IS USED FOR WEEKEND TRAINING THROUGHOUT THE ENTIRE YEAR. THIS SITE IS ALSO USED FOR ANNUAL TRAINING BY ARKANSAS ARMY NATIONAL GUARD TROOPS AND OTHER GUARD AND RESERVE TROOPS IN SURROUNDING STATES. THE SITE IS APPROVED AS A 1700 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CAMP ROBINSON	(ON SITE)	ARMY NATIONAL GUARD MAJOR TRAINING SITE		
	NORTH LITTLE ROCK	(5 MILES)	PERSON ARMORY	24,960SF	1959
	LITTLE ROCK	(12 MILES)	PERSON ARMORY	25,000SF	1961
	NORTH LITTLE ROCK	(1 MILES)	PERSON ARMORY	28,000SF	1969
USAF:	JACKSONVILLE	(18 MILES)	LITTLE ROCK, AIR FORCE BASE		

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
831	WASTEWATER SYSTEM IMPROVEMENTS	LS	711	6/85	3/86
841	WATER SYSTEM IMPROVEMENT	LS	454	8/85	9/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

22 OCT 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	TROOP COMPLEX	$2,343
FY 90	400 PERSON ARMORY	$845
FY 90	COMBINED SUPPORT MAINTENANCE SHOP	$2,750
FY 90	FIELD FIRE RANGE	$667
FY 91	PROFESSIONAL EDUCATION CENTER CLASSROOMS	$500

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT ARNG	FY 19⁸⁷ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION

CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				8771	895	7876
ACTUAL	N/A				9622	937	8685

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
ARKANSAS ARMY NATIONAL GUARD TROOPS	8771	9622

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS	4. PROJECT TITLE WASTEWATER SYSTEM IMPROVEMENTS

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 831	7. PROJECT NUMBER 900	8. PROJECT COST ($000) 711

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY.............................				400
TREATMENT PLANT..............................	LS	-	-	(400)
SUPPORTING FACILITIES........................				298
CONTROLS, METERING, ETC......................	LS	-	-	(17)
FENCING, ROADS, SITE IMPROVEMENTS...........	LS	-	-	(20)
UTILITIES: GAS, ELECTRIC & WATER............	LF	5,300	5.47	(29)
PARKING......................................	SY	210	8.00	(2)
COLLECTION SYSTEM RENOVATION:				
PLUGGING/ABANDON MANHOLES..............	LS	-	-	(125)
NEW MANHOLES...............................	EA	53	1,200	(64)
SERVICE LINES, METERS, STREET X-INGS...	LS	-	-	(41)
SUBTOTAL.....................................				698
CONTINGENCY (5%).............................				35
FEDERAL SHARE (97%)..........................				711
STATE SHARE (3%)....................NON ADD				(22)
SUPERVISION, INSP&OVERHEAD-FED (1.50%)..NON ADD				(11)
TOTAL REQUEST................................				711
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The construction/renovation of a specially designed sanitary sewer system consisting of a lagoon type facility with primary treatment holding tanks which will conform with Federal and State requirements. Modifications to the existing collection system will reduce the amount of necessary inflow/infiltration from surface/subsurface water into the system. This will be performed on the existing collection system.

Air Conditioning - None

11. REQUIREMENT: N/A SF ADEQUATE: N/A SF SUBSTANDARD: N/A SF

PROJECT: To provide an adequate system for the collection and treatment of wastewater at Camp Robinson.

REQUIREMENT: Construction of the proposed systems is required to conform to the 1972 Water Pollution Control Act (Public Law 92-500, 33 United States Code 1251 et seq). The Act provides that all discharges into any waters of the United States from any point source must, as a minimum, meet Federally prescribed effluent criteria. Provision is also made for extending water quality standards to cover all United States waters and for enforcing discharge limitations, to meet water quality objectives. The Act's stated objective (Section 101) is to "restore and maintain the chemical, physical, and biological integrity of the nation's water." To achieve that objective, the Act establishes as "national goals".

CURRENT SITUATION: The present sanitary sewer system consists of concrete pipe collection into an inoperable sewer disposal plant. The existing collection system was basically constructed in 1938 and 1939. A recent study indicates that there is excess infiltration and inflow in the system. The use of much of the system has been discontinued since deactivation of the post

1 COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB [illegible]

3 INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS	
4 PROJECT TITLE WASTEWATER SYSTEM IMPROVEMENTS	5 PROJECT NUMBER 900

CURRENT SITUATION (Continued)
from Federal service occurred. However, the abandoned main and laterals were never disconnected from the live mains. The unused lines have deteriorated over the years to the point that it is a source for massive amounts of water to enter the system.

IMPACT IF NOT PROVIDED: Without the wastewater system improvement to support the training facilities, Camp Robinson would revert to nothing more than a field training area. Operations would cease because Camp Robinson would continue to be in violation of a Public Law.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 24 FEB 1986

3 INSTALLATION AND LOCATION

CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS

4 PROJECT TITLE WASTEWATER SYSTEM IMPROVEMENTS	5 PROJECT NUMBER 900

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 6/85
(b) Percent Complete as of January 1986 .... 50%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................ 3/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... (0)
(b) All Other Design Costs.......................... (0)
(c) Total... (32)
(d) Contract.. (32)
(e) In-house.. (0)

(4) Construction Start.................................. 4/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT ARNG	FY 19 86 MILITARY CONSTRUCTION PROJECT DATA	2. DATE [illegible]

3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS	4. PROJECT TITLE WATER SYSTEM IMPROVEMENT

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 841	7. PROJECT NUMBER 901	8. PROJECT COST ($000) 454

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				595
WATER SYSTEM/300,000 GAL....................	LS	-	-	(330)
PUMPING STATION W/2-750 GPM PUMPS (AND AUXILLARY EMERGENCY GENERATOR (100KW))..	LS	-	-	(202)
8" WATER LINE TO EXISTING DIST SYSTEM........	LF	3,000	21.00	(63)
SUPPORTING FACILITIES.........................				18
UTILITIES: ELECTRIC........................	LF	1,000	5.00	(5)
TRANSFORMER.....................	LS	-	-	(6)
SITE PREPARATION & RIGHT OF WAY CLEARANCE....	LS	-	-	(7)
SUBTOTAL......................................				613
CONTINGENCY (5%)..............................				31
FEDERAL (MCAR-LUMP SUM)..............NON ADD				(150)
FEDERAL (MCNG SHARE..........................				454
STATE SHARE..........................NON ADD				(40)
SUPERVISION, INSP & OVERHEAD-FED(1.52%).NON ADD				(9)
TOTAL REQUEST.................................				454
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The construction of a specially designed water supply system consisting of an elevated water storage tank and pumping station with tie-in to existing water distribution system for supply of domestic water and fire protection.
Air Conditioning - None

11. REQUIREMENT: N/A SF ADEQUATE: N/A SF SUBSTANDARD: N/A SF

PROJECT: To provide an adequate system for the distribution of potable water and fire protection at Camp Robinson. Project is a joint effort with the United States Army Reserves and the State of Arkansas to satisfy current needs and future planned expansion to facilities located on Camp Robinson.

REQUIREMENT: Construction of the proposed project is required to provide adequate quantity and quality of water at required delivery pressures.

CURRENT SITUATION: When the post was deactivated, the State of Arkansas was unable to finance the high maintenance costs associated with maintaining the existing system. This forced the State to connect the Camp Robinson system to the North Little Rock municipal system, but in so doing left the post with less than adequate water pressure. As a temporary measure the post has been utilizing a ground storage tank as a secondary stage to increase the water pressure to continue day-to-day operations. Switching the pump on once a day manually to raise the water level to provide adequate water pressure is an inadequate solution to the problem and is not cost effective. The pressure normally drops significantly throughout the day. Water pressure is never high enough to provide fire protection in the cantonment area.

IMPACT IF NOT PROVIDED: This project would provide an adequate water supply for existing and proposed facilities required for the current training mission. Without these improvements, the facilities will continue to suffer from low pressure, high maintenance cost, possible health problems and probable high loss of property due to inadequate fire protection.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS

4 PROJECT TITLE WATER SYSTEM IMPROVEMENTS	5 PROJECT NUMBER 901

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/85
(b) Percent Complete as of January 1986 .... 50%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................ 9/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total... (28)
(d) Contract.. (28)
(e) In-house.. (0)

(4) Construction Start................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT

ARNG

FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE

14 FEB [illegible]

3. INSTALLATION AND LOCATION

DAGSBORO, DELAWARE

4. AREA CONSTR COST INDEX

0.99

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION AND MAINTENANCE FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY TWICE PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	BETHANY BEACH	(11 MILES)	COMBINED SUPPORT MAINT SHOP	3,500 SF	1942
	LAUREL	(20 MILES)	60-PERSON ARMORY	13,290 SF	1926
	GEORGETOWN	(13 MILES)	60-PERSON ARMORY	11,059 SF	1940

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOP (OMS)	6100 SF	396	1/85	10/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

4 FEB 86
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE [illegible]

3. INSTALLATION AND LOCATION

DAGSBORO, DELAWARE

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	8			8	854	201	653
ACTUAL	8			8	794	190	604

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
219TH MAINTENANCE COMPANY UIC WUGTAA TPSN 31125	230	216
945TH MAINTENANCE COMPANY UIC WTT9AA TPSN 31128	133	111
DETACHMENT 1, 116TH CORPS SUPPORT HOSPITAL UIC WP9TAA TPSN 32730	54	48
261ST SIGNAL COMMAND UIC WTABAA TPSN 35001	249	228

(CONTINUED)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	99	99
TRACKED VEHICLES	1	1
TRAILERS	62	63

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION DAGSBORO, DELAWARE		
4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)		5 PROJECT NUMBER 240

STATE AREA COMMAND (STARC) UIC W8A7AA TPSN 46751	188	191
TOTAL	854	794

WEIGHTED EQUIPMENT DENSITY

WED	#	TOTAL
.50	20	10.00
.75	11	8.25
1.00	53	53.00
1.125	14	15.75
1.250	2	2.50
	100	89.50

# BAYS	BAYS
89.50 - 20 =	1
69.50 ÷ 40 =	2
FOR TRAILERS	1
(SEE EXCEPTION TO CRITERIA)	
TOTAL	4

1. COMPONENT ARNG	FY 19[illegible] MILITARY CONSTRUCTION PROJECT DATA		2. DATE [illegible]
3. INSTALLATION AND LOCATION DAGSBORO, DELAWARE		4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)	
5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 240	8. PROJECT COST ($000) 396

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..................................				317
ORGANIZATIONAL MAINTENANCE SHOP...............	SF	5,990	52.25	(313)
FLAMMABLE MATERIALS BUILDING..................	SF	110	40.00	(4)
SUPPORTING FACILITIES............................				60
GRADING & DRAINAGE.............................	LS	-	-	(15)
FENCING..	LF	418	11.00	(5)
PAVING (CONCRETE)...............................	SY	111	12.00	(1)
PAVING (FLEXIBLE)...............................	LY	2,289	8.00	(18)
LUBE & INSPECTION RACK..........................	LS	-	-	(7)
UTILITIES: WATER, SEWAGE, GAS & TELECOM.....	LS	-	-	(12)
USED OIL STORAGE................................	LS	-	-	(2)
SUBTOTAL..				377
CONTINGENCY (5%)................................				19
SUPERVISION, INSP&OVERHEAD-FED (1.65%)..NON AD				(7)
TOTAL REQUEST....................................				396
EQUIP PROVIDED FROM OTHER FED APPR......NON AD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of an Organizational Maintenance Shop (OMS) with four organizational maintenance work bays. The associated administrative work area is constructed of masonry, built-up roof, concrete floor and partitions consisting of concrete masonry block. Outside supporting facilities include a lube and inspection rack, access roads and fencing.

Air Conditioning - 2 tons

11. REQUIREMENT: 6,100 SF ADEQUATE: 0 SF SUBSTANDARD: 2,160 SF

PROJECT: A new maintenance shop to provide organizational support for vehicles and equipment supported by this OMS.

REQUIREMENT: A facility requirement for 6,100 SF is requested to permit organizational level maintenance to be performed on vehicles and equipment authorized units supported by this shop.

CURRENT SITUATION: The existing organizational maintenance shop contains 2,160 SF constructed in 1956 as part of a 60-person armory. This facility is inadequate in the following areas: administrative, break room, locker room, supply room, foreman's office, width and height of vehicle doors and battery room. This shop has no inspection or lube rack. Heat, light and ventilation are also inadequate in the existing facility. The existing facility will revert to armory floor space after the new shop has been constructed.

IMPACT IF NOT PROVIDED: The quality of work will decrease due to deficient work and storage areas to perform routine administrative and maintenance duties.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION DAGSBORO, DELAWARE		
4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)		5 PROJECT NUMBER 240

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 1/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................10/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (20)
(d) Contract... (20)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FE[illegible]
3. INSTALLATION AND LOCATION CAMP BLANDING (STARKE), FLORIDA		4. AREA CONSTR COST INDEX 0.89

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION AND MAINTENANCE FIVE DAYS PER WEEK. THE FACILITY IS USED FOR WEEKEND TRAINING THROUGHT OUT THE ENTIRE YEAR. ANNUAL TRAINING IS PERFORMED AT THIS SITE BY FLORIDA ARMY NATIONAL GUARD TROOPS AND ALSO BY GUARD AND RESERVE TROOPS IN SURROUNDING STATES. THE SITE IS APPROVED AS A 4000 PERSON TRAINING FACILITY BY THE NATIONAL GUARD BUREAU.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	STARKE	(13 MILES)	200 PERSON ARMORY	17,480 SF	1967
	JACKSONVILLE	(34 MILES)	200 PERSON ARMORY	14,806 SF	1958
	JACKSONVILLE	(38 MILES)	1,000 PERSON ARMORY	33,995 SF	1973

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
214	MOBILIZATION AND TRAINING EQUIPMENT SITE (MATES) ADDITION/ALTERATION	13,226SF	1,043	3/85	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

24 JAN 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	STATE MILITARY ACADEMY	$1,201
FY 88	BRIGADE HEADQUARTERS	$1,401
FY 88	REGIONAL MAINTENANCE TRAINING SITE	$1,634

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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[illegible]

PAGE NO

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		[illegible]

3. INSTALLATION AND LOCATION
CAMP BLANDING (STARKE), FLORIDA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	32	2	30		11,028	1,100	9,928
ACTUAL	23	2	21		11,177	1,102	10,075

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
FLORIDA ARMY NATIONAL GUARD TROOPS	11,028	11,177

WEIGHTED EQUIPMENT DENSITY

WED	#	TOTAL
.50	116	58.0
.75	11	8.25
1.00	56	56.0
1.125	146	164.25
1.250	26	32.5
TOTAL	355	319.00

# OF BAYS	BAYS
319.0 - 20	1
299.0 ÷ 40	7
TOTAL	8

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	226	150
TRACKED VEHICLES	129	112
TRAILERS	23	21

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

24

1. COMPONENT ARNG	FY 19'87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP BLANDING (STARKE), FLORIDA	4. PROJECT TITLE MOBILIZATION AND TRAINING EQUIPMENT SITE (MATES) ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 647	8. PROJECT COST ($000) 1,043

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				652
ALTERATION..................................	SF	2,453	23.00	(56)
ADDITION....................................	SF	10,446	56.00	(585)
FLAMMABLE MATERIALS BUILDING................	SF	327	35.00	(11)
SUPPORTING FACILITIES.........................				341
SITE PREPARATION............................	LS	-	-	(8)
FUEL DISPENSING SYSTEM......................	LS	-	-	(20)
PAVING (FLEXIBLE)...........................	SY	5,230	11.00	(58)
PAVING (RIGID)..............................	SY	4,281	22.00	(94)
PAVING (STABILIZED HARDSTAND)...............	SY	15,856	6.00	(95)
MILITARY VEHICLE LOADING RAMP...............	EA	1	2,000	(2)
SECURITY FENCING............................	LF	1,972	8.00	(16)
SECURITY LIGHTING...........................	LS	-	-	(15)
UTILITIES: PLUMBING, ELEC & SEWER...........	LS	-	-	(8)
LUBE & INSPECTION RACK......................	LS	-	-	(7)
FINE GRADING & SEEDING......................	LS	-	-	(1)
WASH PLATFORM...............................	LS	-	-	(17)
SUBTOTAL......................................				993
CONTINGENCY (5%)..............................				50
SUPERVISION, INSP&OVERHEAD-FED (1.45%)..NON ADD				(15)
TOTAL REQUEST.................................				1,043
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(3)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Expansion of the existing Mobilization and Training Equipment Site (MATES) to bring the facility up to current criteria. Building expansion will be of concrete block, one-story construction. Project includes the enlargement of vehicle parking areas and additional lube, wash, and fueling facilities.

Air Conditioning - None

11. REQUIREMENT: 17,503 SF ADEQUATE: 4,277 SF SUBSTANDARD: 2,453 SF

PROJECT: This project is requested to provide an additional 10,773 SF of space to the Mobilization and Training Equipment Site and other authorized supporting facilities. The project will support all Army National Guard units in Florida and Reserve Component units from other states in performance of their training at Camp Blanding.

REQUIREMENT: A facility requirement for a total of 17,617 SF of shop space and various outside support areas to allow proper performance of maintenance procedures on vehicles and equipment assigned to units supported by the Mobilization and Training Equipment Site and stored at this facility.

CURRENT SITUATION: The existing facility was constructed in 1971 and consists of 6,730 SF of shop space with some outside support facilities. The support mission of this facility has been enlarged making it inadequate in work areas, personnel areas and all outside support areas.

IMPACT IF NOT PROVIDED: Training will be adversely affected, as Mobilization and Training Equipment Site personnel will be unable to adequately provide necessary maintenance support in the existing overcrowded, inadequate facility.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE [illegible]
3 INSTALLATION AND LOCATION CAMP BLANDING (STARKE), FLORIDA		
4 PROJECT TITLE MOBILIZATION AND TRAINING EQUIPMENT SITE (MATES) ADDITION/ALTERATION		5 PROJECT NUMBER 647

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................. 3/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................. 12/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (45)
(d) Contract... (45)
(e) In-house... (0)

(4) Construction Start.................................. 8/87 month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
JSIIDS	BP 2035	FY 87	3

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION CRYSTAL RIVER, FLORIDA		4. AREA CONSTR COST INDEX .89

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	OCALA	(29 MILES)	100-PERSON ARMORY	11,950 SF	1935
	LEESBURG	(40 MILES)	100-PERSON ARMORY	9,108 SF	1950
USAR:	OCALA	(29 MILES)	100-PERSON ARMORY	13,228 SF	1973

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	200-PERSON ARMORY	29,349 SF	1,017	10/84	7/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

24 JAN 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		

3. INSTALLATION AND LOCATION

CRYSTAL RIVER, FLORIDA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	3		2	1	224	12	212
ACTUAL	3		2	1	163	9	154

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
711TH MAINTENANCE COMPANY	224	163

UIC WVOMAA
TPSN 31125

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	42	9
TRACKED VEHICLES	1	0
TRAILERS	44	10

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE [illegible]

3. INSTALLATION AND LOCATION CRYSTAL RIVER, FLORIDA	4. PROJECT TITLE 200-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 642	8. PROJECT COST ($000) 1,017

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY.............................				1,103
ARMORY BUILDING..............................	SF	22,726	44.00	(1,000)
UNHEATED METAL STORAGE BUILDING..............	SF	6,458	15.00	(97)
FLAMMABLE MATERIALS BUILDING.................	SF	165	35.00	(6)
SUPPORTING FACILITIES........................				388
SITE PREPARATION & DRAINAGE (100% STATE).....	LS	-	-	(70)
FINE GRADING, SEEDING & PLANTING.............	LS	-	-	(32)
SECURITY FENCING & LIGHTING & FUEL SYS.......	LS	-	-	(16)
PARKING: MILITARY, OFF-STREET & ACCESS......	SY	14,716	9.65	(142)
FLAGPOLE, WASH PLATFORM & SIDEWALK...........	LS	-	-	(11)
UTILITIES: WATER, ELEC, SEWER, GAS, TELECOM.	LS	-	-	(13)
STATE ITEMS-100%: CEILING/TERR FL ASSY HALL....	LS	-	-	(52)
: AIR COND-ASSY HALL & LOBBY...	LS	-	-	(42)
: FIRE SAFETY EQUIPMENT........	LS	-	-	(10)
SUBTOTAL.....................................				1,491
CONTINGENCY (5%).............................				75
FEDERAL SHARE................................				1,017
STATE SHARE...........................NON ADD				(549)
SUPERVISION, INSP&OVERHEAD-FED (1.40%)..NON ADD				(14)
TOTAL REQUEST................................				1,017
EQUIP PROVIDED FROM OTHER APPR..........NON ADD				(25)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: A specially designed facility of permanent masonry type construction, brick and concrete block units, with built-up roof and concrete and tile floors. A one-story structure with mechanical and electrical equipment. Supporting facilities to include paved military vehicle security compound, off-street parking and utilities.
Air Conditioning - 11 tons

11. REQUIREMENT: 29,349 SF ADEQUATE: 0 SF SUBSTANDARD: 4,440 SF

PROJECT: This proposed project is requested to provide 29,349 SF of required space to permit the assigned unit to perform it's mission. This training, storage and administrative space is the minimum essential area required to effectively train and accomplish the combat readiness objectives. The existing armory cannot be expanded.

REQUIREMENT: A new armory is required to permit the assigned personnel to attain and maintain the desired readiness, commensurate with the mobilization mission. The appropriate indoor training facilities, as well as adequate and secure storage for equipment, is required.

CURRENT SITUATION: The existing armory facilities at Crystal River consist of three trailers and a concrete block storage building on twenty acres of land leased to the State from Citrus County. The buildings were furnished to the National Guard for use as a temporary armory.

IMPACT IF NOT PROVIDED: Assigned personnel will be required to use the overcrowded facility which is completely inadequate in all functional and training areas.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CRYSTAL RIVER, FLORIDA

4 PROJECT TITLE 200-PERSON ARMORY	5 PROJECT NUMBER 642

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 10/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 7/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (43)
(d) Contract... (43)
(e) In-house... (0)

(4) Construction Start................................. 11/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	22
JSIIDS	BP 2035	FY 87	3

1 COMPONENT
ARNG

FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
PANAMA CITY, FLORIDA

4. AREA CONSTR COST INDEX
.92

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO DAY TRAINING ASSEMBLY PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USAR:	PANAMA CITY	(5 MILES)	150-PERSON ARMORY	12,887 SF	1957-1971
	CHIPLEY	(47 MILES)	100-PERSON ARMORY	11,520 SF	1958
	DEFUNIAK SPRINGS	(63 MILES)	100-PERSON ARMORY	10,690 SF	1955

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ALTERATION	18,774 SF	809	3/85	10/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

24 JAN 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9 LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ARNG		1 [illegible] FEB [illegible]

3. INSTALLATION AND LOCATION

PANAMA CITY, FLORIDA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	14	0	7	7	193	18	175
ACTUAL	10	0	3	7	168	15	153

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY, 3RD BATTALION, 124 INFANTRY UIC WQV9TC TPSN 1305341	117	114
COMPANY B, (-) 3RD BATTALION, 124 INFANTRY UIC WQV9B1 TPSN 130541	76	54

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	29	26
TRAILERS	20	19

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**		2. DATE 1 FEB 86
3. INSTALLATION AND LOCATION PANAMA CITY, FLORIDA		4. PROJECT TITLE ARMORY ADDITION/ALTERATION	
5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 646	8. PROJECT COST ($000) 809

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				897
ADDITION....................................	SF	15,900	52.00	(827)
ALTERATION..................................	SF	2,404	24.00	(58)
FLAMMABLE MATERIALS BUILDING.................	SF	165	36.00	(6)
UNHEATED METAL STORAGE BUILDING..............	SF	305	20.00	(6)
SUPPORTING FACILITIES........................				184
SITE PREPARATION (100% STATE)................	LS	-	-	(9)
GRADING, SEEDING & PLANTING..................	LS	-	-	(4)
SECURITY FENCING & LIGHTING, EXT FIRE PROT...	LS	-	-	(14)
PAVING (FLEXIBLE)............................	SY	7,516	11.00	(83)
SIDEWALKS....................................	SF	738	2.00	(1)
WASH PLATFORM/WATER OIL SEPARATOR............	LS	-	-	(13)
FUEL DISPENSING SYSTEM.......................	EA	1	8,000	(8)
UTILITIES: WATER,ELEC,SEWER,GAS & TELECOM...	LS	-	-	(15)
STATE ITEMS-100%: AIR COND-ASSY HALL........	LS	-	-	(35)
FIRE SAFETY EQUIPMENT.....	LS	-	-	(2)
SUBTOTAL.....................................				1,081
CONTINGENCY (5%).............................				54
FEDERAL SHARE................................				809
STATE SHARE..........................NON ADD				(326)
SUPERVISION, INSP&OVERHEAD-FED (1.47%)..NON ADD				(8)
TOTAL REQUEST................................				809
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(32)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Expansion/alteration of an existing one-story masonry (brick and block) National Guard Armory to relieve severe overcrowding which now exists. Project will include additional administrative, storage, classroom, and training areas. Additional parking space and mechanical equipment are also required.
Air Conditioning - 40 tons

11. REQUIREMENT: 32,102 SF ADEQUATE: 13,328 SF SUBSTANDARD: 2,404 SF

PROJECT: An expansion/alteration to the existing Armory is required to serve the peace time mission of the units assigned to this location. The expanded and updated facility will provide an adequate resource to allow all personnel to perform necessary tasks that will improve their readiness posture for support in combat objectives. The current five acre State-owned site is sufficient for this project.

REQUIREMENT: This expansion is urgently needed to relieve severe overcrowding and thereby provide adequate space for administration, training and supply operations of Headquarters, Headquarters Company and Company B (-), 3/124 Infantry. This will enable these units to accomplish proficiency in training and the assigned readiness objectives.

CURRENT SITUATION: The present armory at Panama City was constructed in 1963 as a one unit facility. It is a masonry building situated on five acres of land. The combined authorized strength of the units presently stationed at this facility is 193. All functional areas are so badly overcrowded that administrative, supply and training are being adversely affected.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION PANAMA CITY, FLORIDA		
4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 646	

Space originally designed for classrooms has been taken over for administrative and supply functions leaving the facility with no classrooms. Absence of a rifle range necessitates the assigned units traveling 240 miles for weapons qualification. Military vehicle and privately owned vehicle parking are inadequate. Although the facility is 24 years old, it is structurally sound and there is adequate land area for expansion which is felt to be more feasible than replacement with a new facility.

IMPACT IF NOT PROVIDED: Assigned units will remain in an inadequate, overcrowded facility. This will have an adverse affect on accomplishment of readiness and training objectives. Continued operation under existing conditions will be a detriment to troop morale and welfare and have a negative impact on recruiting and retention efforts.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

PANAMA CITY, FLORIDA

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 646

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 3/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................. 10/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (25)
(d) Contract... (25)
(e) In-house... (0)

(4) Construction Start.................................. 11/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	27
JSIIDS	BP 2035	FY 87	5

3

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 11 FEB 1986
3. INSTALLATION AND LOCATION SARASOTA, FLORIDA		4. AREA CONSTR COST INDEX .89

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG	BRADENTON	(11 MILES)	100-PERSON ARMORY	11,616 SF	1971
	PALMETTO	(18 MILES)	100-PERSON ARMORY	13,000 SF	1963
USCGR	ST. PETERSBURG	(25 MILES)	100-PERSON ARMORY	10,000 SF	1942

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	ARMORY ADDITION/ ALTERATION	16,761 SF	617	3/85	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

24 JAN 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	**FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION**	**2. DATE** 14 FEB 1986

3. INSTALLATION AND LOCATION

SARASOTA, FLORIDA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	16	3	13	0	127	15	112
ACTUAL	8	0	3	5	130	10	120

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS BATTERY 1ST BATTALION, 116TH FIELD ARTILLERY	127	130

UIC WP4MTO
TPSN 21864

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	32	30
TRAILERS	9	9

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION SARASOTA, FLORIDA	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 648	8. PROJECT COST ($000) 617

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				681
ADDITION	SF	9,961	52.00	(518)
ALTERATION	SF	6,800	24.00	(163)
SUPPORTING FACILITIES				155
SITE PREPARATION & DRAINAGE (100% STATE)	LS	-	-	(6)
FINE GRADING, SEEDING & PLANTING	LS	-	-	(6)
LIGHTING & EXTERIOR FIRE PROTECTION	LS	-	-	(7)
PAVING (FLEXIBLE)	SY	6,825	11.00	(75)
SIDEWALKS	SF	1,098	2.00	(2)
WASH PLATFORM/WATER OIL SEPARATOR	LS	-	-	(8)
UTILITIES: WATER, ELECT, SEWER, GAS & TELEC.	LS	-	-	(14)
STATE ITEMS 100%: AIR COND-ASSY HALL	LS	-	-	(35)
FIRE SAFETY EQUIPMENT	LS	-	-	(2)
SUBTOTAL				836
CONTINGENCY (5%)				42
FEDERAL SHARE				617
STATE SHARE ... NON ADD				(261)
SUPERVISION, INSP&OVERHEAD-FED (1.47%) .. NON ADD				(9)
TOTAL REQUEST				617
EQUIP PROVIDED FROM OTHER FED APPR ... NON ADD				(32)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Expansion of an existing one-story masonry (brick and block) National Guard Armory to relieve severe overcrowding which now exists. Project will include additional administrative, storage, classroom, and training areas. Additional parking and mechanical equipment are also required.
Air Conditioning - 25 tons

11. REQUIREMENT: 24,546 SF ADEQUATE: 7,785 SF SUBSTANDARD: 6,800 SF

PROJECT: An expansion to the existing National Guard Armory is required to serve the peace time mission of the unit assigned to this location. The expanded and updated facility will provide an adequate resource to allow all personnel to perform necessary tasks that will improve their readiness posture for support in combat objectives.

REQUIREMENT: This expansion is urgently needed to relieve severe overcrowding and thereby provide adequate space for administration, training and supply operations of Headquarters, Headquarters Battery, 1/116th Field Artillery (155mm SP). This will enable this unit to accomplish proficiency in training and the assigned readiness objectives.

CURRENT SITUATION: The present armory was constructed in 1957 as a one unit facility. It is a masonry building situated on three acres of land, which is determined sufficient for the expansion. The current authorized strength of the unit, presently stationed at this facility is 127. All functional areas are so badly overcrowded that administration, supply and training are being adversely affected. Space originally designed for classrooms has been taken over for administrative and supply functions leaving the facility with no classrooms. Absence of a rifle range necessitates the assigned unit traveling 206 miles for weapons qualification. Military vehicle and off-street parking are inadequate. Although the facility is 30 years old,

36

1 COMPONENT ARNG	FY 19 86 MILITARY CONSTRUCTION PROJECT DATA	2 DATE FEB 1985
3 INSTALLATION AND LOCATION SARASOTA, FLORIDA		
4 PROJECT TITLE ARMORY ADDITION/ALTERATION		5 PROJECT NUMBER 648

it is structurally sound and there is adequate State land for expansion which is felt to be more feasible than replacement with a new facility.

IMPACT IF NOT PROVIDED: Assigned unit will remain in an inadequate, overcrowded facility. This will have an adverse affect on accomplishment of readiness and training objectives. Continued operation under existing conditions will be a detriment to troop morale and welfare and have a negative impact on recruiting and retention efforts.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION SARASOTA, FLORIDA		
4 PROJECT TITLE ARMORY ADDITION/ALTERATION		5 PROJECT NUMBER 648

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................. 3/85
(b) Percent Complete as of January 1986............ 100%
(c) Percent Complete as of October 1986............ 100%
(d) Date Design Complete............................. 12/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs.......................... (0)
(c) Total.. (28)
(d) Contract... (28)
(e) In-house... (0)

(4) Construction Start.................................. 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	27
JSIIDS	BP 2035	FY 87	5

1. COMPONENT ARNG	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE [illegible]
3. INSTALLATION AND LOCATION TAVARES, FLORIDA		4. AREA CONSTR COST INDEX 0.89

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED A MINIMUM OF FIVE DAYS PER WEEK FOR DAY-TO-DAY MAINTENANCE OPERATIONS AND FOR A TWO DAY WEEKEND TRAINING ASSEMBLY ONCE A MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	LEESBURG	(15 MILES)	100 PERSON ARMORY	9,108 SF	1950
	SANFORD	(28 MILES)	100 PERSON ARMORY	13,200 SF	1938
	DELAND	(32 MILES	100 PERSON ARMORY	16,576 SF	1955

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOP (OMS)	7,911 SF	487	5/85	1/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

24 Jan 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		

3. INSTALLATION AND LOCATION
TAVARES, FLORIDA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	8			8	1,265	76	1,189
ACTUAL	7			7	1,083	70	1,013

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY, 2/124TH INFANTRY UIC WPWZTO TPSN 1305341	117	115
COMPANY B (-), 2/124TH INFANTRY UIC WPW2BO TPSN 1305341	84	69
DET 1, COMPANY B, 2/124TH INFANTRY UIC WPW281 TPSN 1305341	76	64

(CONTINUED)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	214	150
*TRACKED VEHICLES	5	4
TRAILERS	129	65
GENERATORS, COMPRESSORS	67	67

*REFLECTS ONLY AUTHORIZED EQUIPMENT WHICH RECEIVES (OMS) MAINTENANCE SUPPORT

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION TAVARES, FLORIDA		
4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)		5 PROJECT NUMBER 643

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
COMPANY C, 2/124TH INFANTRY UIC WPW2CO TPSN 1305341	160	129
SUPPORT COMPANY, 2/124TH INFANTRY UIC WPW2PO TPSN 1305340	132	114
BATTERY B, 1/265TH AIR DEFENSE ARTILLERY UIC WPY1BO TPSN 0304264	138	133
BATTERY D, 1/265TH AIR DEFENSE ARTILLERY UIC WPY100 TPSN 0304264	138	127
HEADQUARTERS, HEADQUARTERS DETACHMENT 202D MEDICAL GROUP UIC WVQFAA TPSN 32706	51	53
711TH MAINTENANCE COMPANY UIC WVOMAA TPSN 31125	222	135
TROOP E, 153D CAVALRY UIC WPW3AA TPSN 1305307	147	144

13. MAJOR EQUIPMENT AND\AIRCRAFT

WEIGHTED EQUIPMENT DENSITY

WED	#	TOTAL
.50	107	53.5
.75	26	19.5
1.00	74	74.0
1.125	10	11.25
1.250	2	2.5
TOTAL	219	160.75

# OF BAYS	BAYS
160.7 - 20	1
140.7 ÷ 40	4
TOTAL	5

1. COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE [illegible]

3. INSTALLATION AND LOCATION TAVARES, FLORIDA	4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 643	8. PROJECT COST ($000) 487

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				331
ORGANIZATIONAL MAINTENANCE SHOP..............	SF	7,760	42.00	(326)
FLAMMABLE MATERIALS BUILDING.................	SF	151	30.00	(5)
SUPPORTING FACILITIES..........................				133
SITE PREP, SOIL STABILIZATION/PLANTING.......	LS	-	-	(15)
FUEL DISPENSING SYSTEM.......................	LS	-	-	(14)
PAVING (FLEXIBLE)............................	SY	3,877	12.60	(49)
PAVING (RIGID)...............................	SY	533	18.00	(10)
LUBE & INSPECTION RACK/MIL VEH LOADING RAMP..	LS	-	-	(7)
SECURITY FENCING.............................	LF	687	10.00	(7)
SECURITY LIGHTING............................	LS	-	-	(2)
UTILITIES: PLUMBING, ELEC, SEWER, GAS........	LS	-	-	(19)
WASH RACK/OIL SEPARATOR......................	LS	-	-	(8)
FIRE PROTECTION (FIRE HYDRANT)...............	LS	-	-	(2)
SUBTOTAL.......................................				464
CONTINGENCY (5%)...............................				23
SUPERVISION, INSP&OVERHEAD-FED (1.60%)..NON ADD				(8)
TOTAL REQUEST..................................				487
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(2)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of a maintenance facility with five work bays, plus an administrative work area, constructed of masonry block, concrete floor, masonry block partitions with an insulated single-ply membrane roofing system. Supporting facilities include gasoline and diesel dispensing system, a lube and inspection rack, and a military vehicle storage compound.

Air Conditioning - 1 ton

11. REQUIREMENT: 7,911 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: A new maintenance facility to provide adequate organizational maintenance support for vehicles and equipment supported by this maintenance shop.

REQUIREMENT: A facility requirement for 7,911 SF is requested to permit efficient maintenance support at the organizational level to be performed on vehicles authorized units being supported by this shop.

CURRENT SITUATION: Current maintenance operations are being conducted in a building constructed in 1951 as a Motor Vehicle Storage Building. This facility is totally inadequate in all functional and support areas.

IMPACT IF NOT PROVIDED: Current organizational maintenance support operations are critically hindered by the lack of an adequate maintenance facility. The existing maintenance facility was not designed or constructed to support the required organizational maintenance requirements now being accomplished by the organizational maintenance shop. Continuously increasing equipment authorizations within the units supported by this organizational maintenance shop will make required maintenance procedures extremely difficult.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

TAVARES, FLORIDA

4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)	5 PROJECT NUMBER 643

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................. 5/85
(b) Percent Complete as of January 1986 .... 85%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete................................. 1/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs............................... (0)
(c) Total.. (23)
(d) Contract.. (23)
(e) In-house.. (0)

(4) Construction Start.. 8/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TELEPHONE EQUIPMENT	BP 3727	FY 87	2

1. COMPONENT ARNG	**FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION GOWEN FIELD (BOISE), IDAHO		4. AREA CONSTR COST INDEX 1.05

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY WILL BE USED ON A YEAR-ROUND BASIS. THE RESERVE COMPONENTS TANK COMMANDERS COURSE SITE IS APPROVED AS A 2000 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: GOWEN FIELD (ON-SITE) ARMY NATIONAL GUARD MAJOR CONSTRUCTION SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	TANK COMMANDERS ACADEMY COMPLEX	43,107 SF	2,935	5/85	2/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

7 AUG 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	200 MAN BARRACKS	$1,200
FY 88	200 MAN MESS HALLS	$360
FY 89	MULTI-PURPOSE RANGE	$680
FY 90	SUPPLY BUILDINGS	$550

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

4

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible]

PAGE NO

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB [illegible]

3. INSTALLATION AND LOCATION

GOWEN FIELD (BOISE), IDAHO

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				N/A		
ACTUAL	N/A				N/A		

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL

THIS FACILITY WILL SUPPORT THE TRAINING REQUIREMENTS FOR UNIT LEVEL ARMOR LEADERS IN THE ARMY NATIONAL GUARD AND THE RESERVE.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19[illegible] MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION GOWEN FIELD (BOISE), IDAHO	4. PROJECT TITLE TANK COMMANDERS ACADEMY COMPLEX

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 721	7. PROJECT NUMBER 665	8. PROJECT COST ($000) 2,935

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,654
COMMANDERS ACADEMY	SF	42,997	61.58	(2,648)
FLAMMABLE MATERIALS BUILDING	SF	110	54.55	(6)
SUPPORTING FACILITIES				141
SITE PREPARATION	LS	-	-	(7)
GRADING & SEEDING	AC	4	1,000	(4)
SIDEWALK	SF	3,000	2.00	(6)
ACCESS ROAD	SY	2,651	9.00	(24)
MILITARY & OFF-STREET PARKING	SY	2,310	8.25	(19)
MILITARY COMPOUND	SY	1,450	8.25	(12)
TURNING PAD (TANKS)	SY	900	45.00	(41)
UTILITIES	LS	-	-	(28)
SUBTOTAL				2,795
CONTINGENCY (5%)				140
SUPERVISION, INSP&OVERHEAD-FED (1.37%)..NON ADD				(38)
TOTAL REQUEST				2,935
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of a training facility with classrooms, staff and administrative offices, a mess hall, barracks and a supply room with arms vault. The facility, except for administrative areas, will be single story construction, concrete floors and foundation, finished with an attractive masonry type exterior covering. The barracks will be constructed so as to accept an addition should future expansion be required. Supporting facilities include civilian and military parking, sidewalks and utility connections.

Air Conditioning - 50 tons

11. REQUIREMENT: 43,107 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: A 43,107 SF facility to support the Reserve Components Army-Wide Training of Tank Commanders. The facility will permit all assigned personnel to perform the training tasks necessary to improve their military skills and readiness posture.

REQUIREMENT: This proposed project is requested to provide a professional level school facility of 43,107 SF. This will allow the Tank Commanders Course for Reserve Components to perform its assigned mission. It will also provide a vault area for storage of weapons assigned to the school with the Intrusion Detection System installed for security. Since students will come from all Army areas, accommodations for their two week stay are needed and will be included in the complex. These accommodations include two men per barracks room, four men per latrine, administrative space for a staff of 39, classrooms and a dining facility.

CURRENT SITUATION: There are no existing facilities to accommodate the newly implemented Tank Commanders Course for the Reserve Components. The program is currently operational, however, on a scaled down version utilizing inadequate

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION GOWEN FIELD (BOISE), IDAHO		
4 PROJECT TITLE TANK COMMANDERS ACADEMY COMPLEX		5 PROJECT NUMBER 665

CURRENT SITUATION (Continued)
facilities. These structures include World War II barracks, separate classroom buildings, a mess hall, and administrative buildings which are jointly used by troop units performing weekend and two week active duty training. The addition of the Reserve Components Tank Commanders Course (RCTCC), staff and students, seriously overtaxes these existing facilities.
IMPACT IF NOT PROVIDED: If the facility is not constructed, the RCTCC will have to reduce the number of sessions per year and the number of students per session, which will adversely effect the readiness posture for all tank commanders serving in the Reserve Components. The quality of instruction and learning attitude of the individual soldier will be seriously impaired if adequate facilities are not constructed to house this vital training school for Reserve Component tank commanders.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 86
3 INSTALLATION AND LOCATION GOWEN FIELD (BOISE) IDAHO		
4 PROJECT TITLE TANK COMMANDERS ACADEMY COMPLEX		5 PROJECT NUMBER 665

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 5/85
(b) Percent Complete as of January 1986 .... 65%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................. 2/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs............................ (0)
(c) Total... (121)
(d) Contract.. (121)
(e) In-house.. (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1[illegible] FEB [illegible]
3. INSTALLATION AND LOCATION CHICAGO (GENERAL JONES ARMORY) ILLINOIS		4. AREA CONSTR COST INDEX .96

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH TWO 2- DAY TRAINING ASSEMBLIES PER MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CHICAGO-MIDWAY	(4 MILES)	AASF/300 P ARMORY	63,945 SF	1940
	CHICAGO-BROADWAY	(7 MILES)	1000 PERSON ARMORY	47,675 SF	1925
ANG:	CHICAGO-O'HARE	(9 MILES)	ANG AIR BASE	VARIOUS	VARIOUS
USAR:	CHICAGO-E.G. GIBSON	(8 MILES)	600 PERSON CENTER	32,390 SF	1951
	CHICAGO-FT. DEARBORN	(8 MILES)	600 PERSON CENTER	31,689 SF	1938
USNR:USAR:	FOREST PARK	(13 MILES)	1000 PERSON CENTER	70,962 SF	1955

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	ARMORY REHABILITATION	87,582 SF	1,573	9/84	10/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

18 SEP 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s
Page 1 of 2

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1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 FEB 1986

3. INSTALLATION AND LOCATION

CHICAGO,(GENERAL JONES ARMORY,) ILLINOIS

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	58	2	33	23	1,192	82	1,110
ACTUAL	56	2	33	21	1,130	53	1,077

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY 1/178 INFANTRY UIC WP5XTO TPSN 1303341	137	142
COMPANY A (-) 1/178 INFANTRY UIC WP5XAO TPSN 1303341	84	82
COMPANY B,1/178 INFANTRY UIC WP5XBO TPSN 1303341	155	129
COMPANY C, 1/178 INFANTRY UIC WP5XCO TPSN 1303341	155	116

CONTINUED

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	220	193
TRAILERS	149	123
TRACKED VEHICLES	1	0

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE [illegible]

3 INSTALLATION AND LOCATION
CHICAGO (GENERAL JONES ARMORY) ILLINOIS

4 PROJECT TITLE ARMORY REHABILITATION	5 PROJECT NUMBER 674

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
SUPPORT COMPANY, 1/178 INFANTRY UIC WP5XPO TPSN 1303341	127	128
HEADQUARTERS, HEADQUARTERS BATTERY (-) 2/122 FIELD ARTILLERY UIC WPL3TO TPSN 1303311	236	223
BATTERY A, 2/122 FIELD ARTILLERY UIC WPL3AO TPSN 1303311	81	87
BATTERY B, 2/122 FIELD ARTILLERY UIC WPL3BO TPSN 1303311	81	79
BATTERY C, 2/122 FIELD ARTILLERY UIC WPL3CO TPSN 1303311	81	85
SERVICE BATTERY, 2/122 FIELD ARTILLERY UIC WPL3SO TPSN 1303311	55	59
TOTAL	1,192	1,130

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PAGE NO

1. COMPONENT ARNG	**FY 19 81 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 FEB 1980

3. INSTALLATION AND LOCATION CHICAGO (GENERAL JONES ARMORY), ILLINOIS	4. PROJECT TITLE ARMORY REHABILITATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 674	8. PROJECT COST ($000) 1,573

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY...............................				1,970
REHABILITATION.............................	SF	87,582	22.50	(1,970)
SUPPORTING FACILITIES..........................				29
SIDEWALK REHABILITATION......................	SF	1,800	2.00	(4)
OFF-STREET PARKING REHABILITATION............	SY	4,000	5.50	(22)
ACCESS ROAD REHABILITATION..................	SY	500	5.50	(3)
SUBTOTAL.......................................				1,999
CONTINGENCY (5%)...............................				100
FEDERAL SHARE................................				1,573
STATE SHARE...........................NON ADD				(526)
SUPERVISION, INSP&OVERHEAD-FED (1.37%)..NON ADD				(22)
TOTAL REQUEST..................................				1,573
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(21)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of rehabilitating an existing 1,000-person armory originally constructed in 1916. Several authorized functional areas require altering, rehabilitating, or upgrading to meet current criteria needed for proper mobilization training. Building is structurally sound with a new roof which lends itself for a rehabilitation project.

Air Conditioning - 70 tons

11. REQUIREMENT: 87,582 SF ADEQUATE: 0 SF SUBSTANDARD: 87,582 SF

PROJECT: The rehabilitation of this armory is needed to provide adequate facilities for the elements of the 1/178th Infantry Battalion and 2/122d Field Artillery Battalion stationed at this facility. This rehabilitated armory will provide the necessary administration, indoor training area, storage and equipment space to achieve the proficiency in required training and to accomplish the assigned readiness objectives.

REQUIREMENT: This rehabilitation project is needed due to the lack of proper facilities and space required to fulfill the current needs of training and readiness of the units assigned to this facility.

CURRENT SITUATION: The units involved in this project are currently using facilities within this armory that are inadequate for proper mobilization training. This armory was constructed in 1916 and is structurally sound with a complete new roof. Areas that do not meet criteria include: supply, locker rooms, classrooms, administrative, kitchen, indoor range and latrines. Electrical plumbing, and mechanical to include heating plants will require major rehabilitation. Many of the high ceilings will require lowering which will provide a space for new utility conduits. This will also be an energy conservation feature which will reduce ongoing utility operating costs.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE [illegible] FEB 1986
3 INSTALLATION AND LOCATION CHICAGO (GENERAL JONES ARMORY), ILLINOIS		
4 PROJECT TITLE ARMORY REHABILITATION		5 PROJECT NUMBER 674

IMPACT IF NOT PROVIDED: The units stationed at the General Jones Armory will continue to be housed and trained in substandard facilities. The lack of adequate training space will continue to adversely effect the training, readiness, recruiting and retention for the units stationed at this facility.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CHICAGO (GENERAL JONES ARMORY), ILLINOIS

4 PROJECT TITLE ARMORY REHABILITATION	5 PROJECT NUMBER 674

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 9/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................ 10/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs.......................... (0)
(c) Total.. (66)
(d) Contract... (66)
(e) In-house... (0)

(4) Construction Start.............................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	21

1 COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION

2 DATE
14 FEB 1985

3 INSTALLATION AND LOCATION
CAMP DODGE (JOHNSTON), IOWA

4 AREA CONSTR COST INDEX
1.05

5 FREQUENCY AND TYPE OF UTILIZATION

THE FACILITY IS USED FOR NORMAL ADMINISTRATIVE DUTIES FIVE DAYS PER WEEK BY 376 PERSONNEL AND BY FORTY FULL-TIME RESIDENTS, WITH PEAK PERIODS RANGING TO 1500 PERSONNEL DURING TRAINING. THE SITE IS APPROVED AS A 1200 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: CAMP DODGE (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
831	SEWAGE SYSTEM MODIFICATION	LS	806	1/85	10/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
28 FEB 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9 LAND ACQUISITION REQUIRED
NONE
0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

CAMP DODGE (JOHNSTON), IOWA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	370	74	181	115	7637	765	6872
ACTUAL	301	70	133	98	7235	746	6489

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
IOWA ARMY NATIONAL GUARD TROOPS	7637	7235

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION CAMP DODGE (JOHNSTON), IOWA	4. PROJECT TITLE SEWAGE SYSTEM MODIFICATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 831	7. PROJECT NUMBER 420	8. PROJECT COST ($000) 806

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				866
AERATED LAGOON FACILITY	LS	-	-	(649)
OUTFALL SEWER	LS	-	-	(156)
EFFLUENT SEWER	LS	-	-	(61)
SUBTOTAL				866
CONTINGENCY (5%)				43
FEDERAL SHARE				806
STATE SHARE ... NON ADD				(103)
SUPERVISION, INSP&OVERHEAD-FED (1.47%) .. NON ADD				(12)
TOTAL REQUEST				806
EQUIP PROVIDED FROM OTHER FED APPR ... NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The project consists of a complete rehabilitation of the existing sanitary sewer system, to include the replacement of existing manholes and the elimination of surface and ground water now entering the system. Construction will also include an outfall sewer to the site of the aerated lagoon facility and an effluent sewer from the lagoon to the discharge site.

Air Conditioning - None

11. REQUIREMENT: N/A ADEQUATE: N/A SUBSTANDARD: N/A

PROJECT: The Camp Dodge sewer rehabilitation/construction project consists of the rehabilitation/construction of 5,100 LF of sanitary sewer and the replacement of 14 deteriorated manholes. This is the construction of a new outfall sewer from existing sanitary sewer system to aerated lagoon facility and the construction of an effluent sewer from the lagoon to the discharge site in the low lying area along Beaver Creek. The aerated lagoon facility construction consists of a two cell aerated lagoon wastewater treatment facility.

REQUIREMENT: The sewage system rehabilitation is required to bring Camp Dodge into compliance with Public Law 95-217, the Clean Water Act of the U.S. Environmental Protection Agency. This system would insure better health standards and conditions for personnel working and training at Camp Dodge.

CURRENT SITUATION: The existing water treatment plant was constructed in 1930 to provide wastewater treatment for the 42,000 linear feet of sanitary sewer installed in 1917. The waste treatment plant has been in service approximately 45 years with no major renovation or equipment replacement. The treatment plant has deteriorated to a condition whereby it is not economically feasible to repair. Much of the mechanical equipment is so old that replacement parts and repair items are no longer available. Once the new wastewater treatment plant and aerated lagoon system is completed the existing facility will be dismantled and removed from the site.

1 COMPONENT ARNG	FY 1981 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1980
3 INSTALLATION AND LOCATION CAMP DODGE (JOHNSTON), IOWA		
4 PROJECT TITLE SEWAGE SYSTEM MODIFICATION		5 PROJECT NUMBER 420

IMPACT IF NOT PROVIDED: Camp Dodge will continue to operate its present wastewater treatment plant in violation of Public Law 95-127 of the Clean Water Act of the U.S. Environmental Protection Agency and continue to dump raw sewage into the Des Moines River during times of heavy rainfall and/or power outages in excess of two hours.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION CAMP DODGE (JOHNSTON), IOWA		
4 PROJECT TITLE SEWAGE SYSTEM MODIFICATION		5 PROJECT NUMBER 420

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 1/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 10/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (36)
(d) Contract... (36)
(e) In-house... (0)

(4) Construction Start............................... 4/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB [illegible]
3. INSTALLATION AND LOCATION CAMP DODGE (JOHNSTON), IOWA		4. AREA CONSTR COST INDEX 1.05

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED FIVE DAYS PER WEEK FOR DAT-TO-DAY ADMINISTRATIVE REQUIREMENTS. FACILITY IS USED FOR TRAINING 50 WEEKENDS PER YEAR. THIS SITE IS ALSO USED DURING ANNUAL TRAINING BY GUARD AND RESERVE TROOPS TO FAMILIARIZE THEMSELVES AND BECOME PROFICIENT IN THE MAINTENANCE AND REPAIR OF THE ARMY'S CURRENT VEHICLES AND EQUIPMENT. THIS SITE IS APPROVED AS A 1200 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: CAMP DODGE (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	REGIONAL MAINTENANCE TRAINING SITE (RMTS)	19,096 SF	839	6/85	2/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

28 FEB 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	**FY 19_7 GUARD AND RESERVE MILITARY CONSTRUCTION**	**2 DATE** 14 FEB 1986

3. INSTALLATION AND LOCATION
CAMP DODGE (JOHNSTON), IOWA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	16	1	15	0	N/A		
ACTUAL	15	1	14	0	N/A		

12. RESERVE UNIT DATA STUDENTS TO BE DETAILED FROM THE FOLLOWING UNITS

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
3654th MAINTENANCE COMPANY UIC WQC8AA TPSN 31133	265	249
3655TH MAINTENANCE COMPANY UIC WQC9AA TPSN 31125	123	129
3657TH MAINTENANCE COMPANY UIC WVH8AA TPSN 31125	224	177
655TH MAINTENANCE COMPANY UIC WQD2AA TPSN 31125	123	132

IN ADDITION TO THE UNITS INDICATED ABOVE, OTHER ARNG AND USAR UNITS IN IOWA AND SURROUNDING STATES WHICH HAVE MAINTENANCE ELEMENTS WILL HAVE ACCESS TO THE PROPOSED FACILITY FOR MAINTENANCE TRAINING.

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
M1 TURRET TRAINER	1	
M60A3 PANEL TRAINER	1	
M1 PANEL TRAINERS	5	
M 2/3 TURRET TRAINER	1	N/A
M 2/3 PANELTRAINERS	4	
PIST V MAINTENANCE TRAINER	1	
IMPROVED TON VEHICLE TRAINER	1	
ARTILLERY TURRET TRAINER	1	

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP DODGE (JOHNSTON), IOWA	4. PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 425	8. PROJECT COST ($000) 839

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				636
ADMIN, CLASSROOM & TNG AREA ALTERATION.......	SF	12,000	24.00	(288)
WORKBAY CONSTRUCTION........................	SF	6,758	49.00	(331)
FLAMMABLE MATERIALS STORAGE BUILDING.........	SF	338	49.00	(17)
SUPPORT FACILITIES..............................	LS	-	-	163
PAVING (FLEXIBLE)............................	SY	2,906	9.00	(26)
PAVING (RIGID)...............................	SY	3,980	20.00	(80)
MILITARY VEHICLE PARKING (HARDSTAND).........	SY	1,275	5.00	(6)
SIDEWALKS....................................	SF	1,000	2.00	(2)
FENCING......................................	LF	643	10.00	(6)
SITE PREPARATION, GRADING, SEEDING (ETC).....	LS	-	-	(20)
UTILITIES: SITE LIGHTING & TELECOM..........	LS	-	-	(23)
SUBTOTAL..				799
CONTINGENCY (5%)................................				40
SUPERVISION, INSP&OVERHEAD-FED (1.50%)..NON ADD				(13)
TOTAL REQUEST...................................				839
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(189)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will consist of the alteration of an existing 12,000 SF storage building into classroom, administrative and training areas. Construction will consist of six maintenance training workbays and a flammable materials storage building. The maintenance training workbays will be of concrete block construction with sufficient capacity to accommodate the required 25 ton overhead crane.

Air Conditioning - 15 tons

11. REQUIREMENT: 19,096 SF ADEQUATE: 0 SF SUBSTANDARD: 12,000 SF

PROJECT: This project is requested to provide 19,096 SF of required space to permit training of maintenance personnel of all components in this region. This concept of establishing regional maintenance training site supports the Headquarters, Department of the Army Management Action Plan. This facility will provide a site to conduct both weekday and weekend training programs on a year-round basis. This training, storage and administrative space is the minimum essential area to effectively train and accomplish the combat readiness objectives.

REQUIREMENT: A training facility is required to provide superior training on the maintenance of the United States Army materials. As the fielding of modern equipment to the Reserve Components continues to expand, and the dependence on reserve capabilities as part of the total force increases, there is an equal increase in the need for a facility to enhance Reserve Component capabilities in the area of equipment maintenance and repair. This project would provide adequate facilities to train 1600-1800 personnel annually. Proposed facility will substantially improve unit abilities to increase Military Occupational Specialty qualification, upgrade individual and unit readiness, and effectively conduct sustainment training throughout the region. As designed, the facility will support new equipment training as new

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CAMP DODGE (JOHNSTON), IOWA

4 PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)	5 PROJECT NUMBER 425

REQUIREMENT: (Continued)
equipment enters the army inventory. Utilization of the facility will insure all types of equipment can be repaired both in peace time and, if needed, during time of conflict. Facility will be located at Camp Dodge (Johnston), Iowa.

CURRENT SITUATION: Currently there is no dedicated facility in the region for this purpose. All qualification and sustainment training at present is done throughout; either at the armories or during Annual Training, which adversely impacts on effective training due to insufficient time, inadequate training support facilities, and a lack of instructors to dedicate to this purpose. Further, any meaningful training is severely limited due to a lack of available equipment and special tools. This situation is compounded because no U.S. Training and Doctrine Command certified instructors are readily available to the unit on a continuing basis. There is no property for distribution or disposition as a result of this project.

IMPACT IF NOT PROVIDED: Failure to construct the proposed facility will adversely impact on the training effectiveness of all Reserve Component maintenance personnel within the region, thus reducing the overall readiness of the Army. Reserve Component assets currently make up 85% of the Army's non-divisional maintenance capability and a continued lack of adequate facilities for training limits the capabilities of maintenance personnel to sustain skills required to support equipment and forces in combat. The capability and effectiveness of any unit is highly dependent upon being able to train on the equipment it encounters while performing its mission, this equipment requires scheduled maintenance and unscheduled repairs to be mission capable. Maintenance personnel must be adequately trained before they can be considered capable of performing the tasks inherent in effective and efficient maintenance. Without this facility, the overall level of unit readiness and useable life of equipment on hand, as well as equipment acquired in the future, will be supressed through the limited capabilities of maintenance personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

CAMP DODGE (JOHNSTON), IOWA

4 PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)	5 PROJECT NUMBER 425

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 6/85
(b) Percent Complete as of January 1986............. 75%
(c) Percent Complete as of October 1986............. 100%
(d) Date Design Complete.............................. 2/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (13)
(d) Contract... (13)
(e) In-house... (0)

(4) Construction Start.................................. 10/86 month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
M1x1100-3B TRANSMISSION TROUBLE SHOOTING TRAINER, DEVICE 17-68/6	GB 1300	FY 87	57
M1 TURRET MAINTENANCE TROUBLE SHOOTING TRAINER, DEVICE 17-68/1	GB 1300	FY 87	66
M1 TURRET ELECTRICAL/ HYDRAULIC TROUBLE SHOOTING TRAINER, DEVICE 17-68/2	GB 1300	FY 87	66

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION DELHI, LOUISIANA		4. AREA CONSTR COST INDEX .92

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	WINNSBORO	(20 MILES)	60 PERSON ARMORY	12,421 SF	1980
	MONROE	(36 MILES)	100 PERSON ARMORY	18,489 SF	1964
	BASTROP	(30 MILES)	60 PERSON ARMORY	11,173 SF	1963

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	60 PERSON ARMORY	21,195 SF	859	3/85	9/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

12 JUN 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE PROPOSED SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

DELHI, LOUISIANA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	2		1	1	60	2	58
ACTUAL	2		1	1	76	3	73

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH	
	AUTHORIZED	ACTUAL
DETACHMENT 1, COMPANY C, 528TH ENGINEER BATTALION	60	76
UIC WTXVC1 TPSN 21364		

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	16	16
TRAILERS	8	8
TRACKED VEHICLES	2	2

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible]

1. COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION DELHI, LOUISIANA	4. PROJECT TITLE 60-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1242	8. PROJECT COST ($000) 859

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				967
ARMORY BUILDING	SF	17,445	51.00	(890)
FLAMMABLE MATERIALS BUILDING	SF	127	40.00	(5)
UNHEATED METAL STORAGE BUILDING	SF	3,623	20.00	(72)
SUPPORTING FACILITIES				149
SITE PREPARATION (100% STATE)	LS	-	-	(25)
FINE GRADING, SEEDING & PLANTING	LS	-	-	(17)
PARKING AND ACCESS ROADS	SY	4,680	13.40	(63)
FENCING & FLAGPOLE	LS	-	-	(11)
SIDEWALKS, WASH PLATFORMS & RIGID PAVING	LS	-	-	(13)
UTILITIES & FUEL DISPENSING SYSTEM	LS	-	-	(20)
SUBTOTAL				1,116
CONTINGENCY (5%)				56
FEDERAL SHARE				859
STATE SHARE NON ADD				(313)
SUPERVISION, INSP&OVERHEAD-FED (1.47%)..NON ADD				(13)
TOTAL REQUEST				859
EQUIP PROVIDED FROM OTHER FED APPR NON ADD				(10)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed armory facility of permanent masonry type construction brick and concrete block units, with built-up roof and concrete floors. A one-story structure with mechancial and electrical equipment.

Air Conditioning - 7 tons.

11. REQUIREMENT: 21,195 SF ADEQUATE: 0 SF SUBSTANDARD: 3,750 SF

PROJECT: A new facility is requested to serve the peace time mission of this unit. The space will permit unit personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives. A six acre State-owned site is available for this project.

REQUIREMENT: This facility is required to house Detachment 1, Company C, 528th Engineer Battalion consisting of 60 personnel. This armory will provide the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish their readiness objectives.

CURRENT SITUATION: This facility consists of 3,750 SF. Upon completion of this project the armory will revert back to the State.

IMPACT IF NOT PROVIDED: Crucial training, administrative and equipment storage space will not be available which will continue to have an adverse impact on the unit's capability to meet readiness and training objectives.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION DELHI, LOUISIANA	
4 PROJECT TITLE 60-PERSON ARMORY	5 PROJECT NUMBER 1242

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................. 3/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 9/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (38)
(d) Contract... (0)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	5
JSIIDS	BP 2035	FY 87	5

1. COMPONENT ARNG	**FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1985
3. INSTALLATION AND LOCATION FARMERVILLE, LOUISIANA		4. AREA CONSTR COST INDEX .92

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINSTRATION FIVE DAYS PER WEEK WITH A TWO DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	WEST MONROE	(28 MILES)	150 PERSON ARMORY	15,956 SF	1978
	RUSTON	(20 MILES)	60 PERSON ARMORY	13,080 SF	1949
	MONROE	(21 MILES)	100 PERSON ARMORY	18,489 SF	1964

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	60 PERSON ARMORY	20,863 SF	835	4/85	9/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

12 JUN 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE PROPOSED SITE IS SUITABLE FOR THE CONTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.

1. COMPONENT ARNG	**FY 19_87 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 [illegible]

3. INSTALLATION AND LOCATION
FARMERVILLE, LOUISIANA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	2		1	1	55	2	53
ACTUAL	2		1	1	59	3	56

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
DETACHMENT 1, COMPANY B, 528TH ENGINEER BATTALION	55	59
UIC WTXVB1 TPSN 21364		

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	16	16
TRAILERS	8	8
TRACKED VEHICLES	2	2

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION FARMERVILLE, LOUISIANA	4. PROJECT TITLE 60-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1240	8. PROJECT COST ($000) 835

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				940
ARMORY BUILDING:	SF	17,393	51.50	(896)
FLAMMABLE MATERIALS BUILDING	SF	110	41.20	(4)
UNHEATED METAL STORAGE BUILDING	SF	3,360	12.00	(40)
SUPPORTING FACILITIES				145
SITE PREPARATION (100% STATE)	LS	-	-	(25)
FINE GRADING, SEEDING & PLANTING	LS	-	-	(20)
PARKING & ACCESS	SY	4,540	11.50	(52)
FENCING & FLAGPOLE	LS	-	-	(12)
SIDEWALKS, WASH PLATFORM & FUEL DISPENSING	LS	-	-	(23)
UTILITIES	LS	-	-	(13)
SUBTOTAL				1,085
CONTINGENCY (5%)				54
FEDERAL SHARE				835
STATE SHARE NON ADD				(304)
SUPERVISION, INSP&OVERHEAD-FED (1.45%) NON ADD				(12)
TOTAL REQUEST				835
EQUIP. PROVIDED FROM OTHER FED APPR NON ADD				(10)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed armory facility of permanent masonry type construction, brick and concrete block units, with built-up roof and concrete floors with a separate unheated metal storage building. A one-story structure with mechanical and electrical equipment.

Air Conditioning - 6.5 tons

11. REQUIREMENT: 20,863 SF ADEQUATE: 0 SF SUBSTANDARD: 2,700 SF

PROJECT: A new facility is requested to serve the peace time mission of this unit. The space will permit unit personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives.

REQUIREMENT: This facility is required to house Detachment 1, Company B, 528th Engineer Battalion consisting of 55 personnel. This armory provides the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish the readiness objectives.

CURRENT SITUATION: Unit is housed in a temporary facility which is the property of the City of Farmerville. The facility lacks adequate administrative, training and storage space.

IMPACT IF NOT PROVIDED: Crucial training, administrative and equipment storage space will not be available which will continue to have an adverse impact on the unit's capability to meet readiness and training objectives.

1 **COMPONENT** ARNG	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 **DATE** 14 FEB 1986

3 **INSTALLATION AND LOCATION**

FARMERVILLE, LOUISIANA

4 **PROJECT TITLE** 60-PERSON ARMORY	5 **PROJECT NUMBER** 1240

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 4/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 9/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (36)
(d) Contract... (36)
(e) In-house... (0)

(4) Construction Start................................ 12/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	5
JSIIDS	BP 2035	FY 87	5

1. COMPONENT ARNG	**FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION VILLE PLATTE, LOUISIANA		4. AREA CONSTR COST INDEX .92

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	OAKDALE	(22 MILES)	100 PERSON ARMORY	13,798 SF	1979
	EUNICE	(18 MILES)	60 PERSON ARMORY	10,617 SF	1957
	OPELOUSAS	(15 MILES)	60 PERSON ARMORY	16,252 SF	1955

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	60 PERSON ARMORY	17,504 SF	690	5/85	9/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

12 JUNE 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE PROPOSED SITE IS SUITABLE FOR CONTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION
VILLE PLATTE, LOUISIANA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	2		1	1	66	5	61
ACTUAL	2		1	1	82	2	80

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
COMPANY E,(MECHANIZED) 2/156TH INFANTRY BATTALION	66	82

UIC WPQQE0
TPSN 0400542

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	3	3
TRAILERS	3	3
TRACKED VEHICLES	6	6

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION VILLE PLATTE, LOUISIANA	4. PROJECT TITLE 60-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1239	8. PROJECT COST ($000) 690

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY...............................				787
ARMORY BUILDING...............................	SF	17,394	45.00	(783)
FLAMMABLE MATERIALS BUILDING.................	SF	110	35.00	(4)
SUPPORTING FACILITIES..........................				114
SITE PREPARATION (100% STATE)................	LS	-	-	(25)
FINE GRADING, SEEDING & PLANTING.............	LS	-	-	(13)
PARKING & ACCESS..............................	SY	3,490	15.20	(53)
FENCING & FLAGPOLE............................	LS	-	-	(6)
SIDEWALKS.....................................	SF	1,800	2.00	(4)
UTILITIES.....................................	LS	-	-	(13)
SUBTOTAL.......................................				901
CONTINGENCY (5%)...............................				45
FEDERAL SHARE.................................				690
STATE SHARE..........................NON ADD				(256)
SUPERVISION, INSP&OVERHEAD-FED (1.47%)..NON ADD				(10)
TOTAL REQUEST..................................				690
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(10)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed armory facility of permanent masonry type construction, brick and concrete block units, with built-up roof and concrete floors. A one-story structure with mechanical and electrical equipment.

Air Conditioning - 7 tons

11. REQUIREMENT: 17,504 SF ADEQUATE: 0 SF SUBSTANDARD: 3,200 SF

PROJECT: A new facility is requested to serve the peace time mission of this unit. The space will permit unit personnel to perform the necessary tasks that will improve their readiness for support in combat objectives.

REQUIREMENT: This facility is required to house Detachment 2, 2/156th Infantry consisting of 55 personnel. This armory will provide the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish readiness objectives. A state-owned site is available for this project.

CURRENT SITUATION: This facility consists of 3,200 SF. Upon completion of this project the building will revert back to the City of Ville Platte. The facility now in use is an old warehouse which previously was a fire station. There is no room for assembly of troops, weapons cannot be stored in the building, paint is peeling and the off-street parking area is not adequate. The building is in poor condition.

IMPACT IF NOT PROVIDED: Crucial training, administrative and equipment storage space will not be available which will continue to have an adverse impact on the unit's capability to meet readiness and training objectives.

1 **COMPONENT** ARNG

FY 19 87 MILITARY CONSTRUCTION PROJECT DATA

2 **DATE** 13 FEB 1986

3 **INSTALLATION AND LOCATION**

VILLE PLATTE, LOUISIANA

4 **PROJECT TITLE**

60-PERSON ARMORY

5 **PROJECT NUMBER**

1239

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
- (a) Date Design Started.............................. 5/85
- (b) Percent Complete as of January 1986 .... 100%
- (c) Percent Complete as of October 1986 .... 100%
- (d) Date Design Complete............................ 9/85

(2) Basis:
- (a) Standard or Definitive Design - Yes No X
- (b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........... (0)
- (b) All Other Design Costs........................... (0)
- (c) Total.. (31)
- (d) Contract... (31)
- (e) In-house... (0)

(4) Construction Start..................................12/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	5
JSIIDS	BP 2035	FY 87	5

1. COMPONENT ARNG	**FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION EDGEWOOD, MARYLAND		4. AREA CONSTR COST INDEX .94

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A MINIMUM OF TWO 2-DAY TRAINING ASSEMBLIES PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	BEL AIR	(14 MILES)	200-PERSON ARMORY	16,319 SF	1916
	PARKVILLE	(17 MILES)	300-PERSON ARMORY	27,098 SF	1964
ACTIVE:	APG-EDGEWOOD	(0 MILES)	200-PERSON ARMORY	22,149 SF	1942

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	400-PERSON ARMORY	94,366 SF	5,723	5/85	5/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

21 MAY 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
[illegible]

PAGE NO

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION
EDGEWOOD, MARYLAND

11. PERSONNEL STRENGTH AS OF 15 NOV 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
					863	227	636
AUTHORIZED							
					SEE NOTE BELOW		
ACTUAL							

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY 20TH COMBAT AVIATION BRIGADE UIC WV6ZAA TPSN N/A	166	0 1/
HEADQUARTERS, HEADQUARTERS COMPANY 224 AVIATION BATTALION UIC WV6QTO TPSN N/A	135	202 1/
COMPANY A, 224TH AVIATION BATTALION UIC WV6QAO TPSN N/A	37	0 1/
COMPANY B, 224TH AVIATION BATTALION UIC WV6QBO TPSN N/A	37	0 1/

CONTINUED

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	160	N/A
TRAILERS	131	N/A
AIRCRAFT	51	N/A

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION EDGEWOOD, MARYLAND		
4 PROJECT. TITLE 400 PERSON ARMORY		5 PROJECT NUMBER 1204

12. RESERVE UNIT DATA (CONTINUED)

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
COMPANY C, 224TH AVIATION BATTALION UIC WV6QCO TPSN N/A	37	0 1/
(COMPANY D, 150TH AVIATION BATTALION TO BE REORGANIZED 1 JUL 86)		(202)
DETACHMENT 1, HEADQUARTERS, HEADQUARTERS TROOP 1/158TH CAVALRY UIC WV61T1 TPSN N/A	51	0 1/
TROOP B, 1/158TH CAVALRY SQUADRON UIC WV61BO TPSN N/A	33	0 1/
TROOP C, 1/158TH CAVALRY SQUADRON UIC WV61CO TPSN N/A	33	0 1/
1329TH TRANSPORTATION AIRCRAFT MAINTENANCE COMPANY (TAMC) UIC WV6RAA TPSN N/A	152	
(1204 TAMC (-) TO BE REORGANIZED EFFECTIVE 1 JUL 86 TO FORM THE ABOVE UNIT)		(186)
MOBILIZATION AVIATION CLASSIFICATION REPAIR DEPOT UIC W7TPAA TPSN 46291	74	76
HEADQUARTERS, HEADQUARTERS DETACHMENT, 29TH AIR TRAFFIC CONTROL GROUP UIC WVGYAA TPSN 30612	64	65
129TH AIR TRAFFIC CONTROL DETACHMENT UIC WVHCAA TPSN 30613	16	15
DETACHMENT 1, HEADQUARTERS, HEADQUARTERS COMPANY, 140TH SIGNAL DETACHMENT UIC WQFXT1 TPSN 35040	15	18
104TH WEATHER FLIGHT DETACHMENT UIC WPGA99 TPSN N/A	13	10

1/ NEW UNITS TO BE ACTIVATED SEP 1986. ACTUAL VS AUTHORIZED STRENGTHS WILL BE AT 75% PRIOR TO AWARD OF A CONSTRUCTION CONTRACT.

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION EDGEWOOD, MARYLAND	4. PROJECT TITLE 400-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1204	8. PROJECT COST ($000) 5,723

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				4,922
ARMORY BUILDING..............................	SF	84,935	56.10	(4,765)
UNHEATED STORAGE BUILDING....................	SF	9,293	16.50	(153)
FLAMMABLE MATERIALS BUILDING.................	SF	138	27.50	(4)
SUPPORTING FACILITIES				528
SITE PREPARATION.............................	LS	-	-	(50)
FINE GRADING & SEEDING.......................	AC	6	2,1500	(13)
PLANTING.....................................	LS	-	-	(35)
FENCING......................................	LF	1,546	10.00	(15)
MILITARY PARKING & ACCESS ROAD...............	LS	-	-	(335)
FLAGPOLE, SIDEWALK...........................	LS	-	-	(5)
UTILITIES, FUEL DISPENSING SYSTEM............	LS	-	-	(75)
SUBTOTAL				5,450
CONTINGENCY (5%)...............................				273
SUBTOTAL.......................................				5,723
SUPERVISION,INSP&OVERHEAD(1.37%).........NON ADD				(78)
TOTAL REQUEST..................................				5,723
EQUIP PROVIDED BY OTHER FED APPR.........NON ADD				(142)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed armory facility of permanent type masonry construction, brick and concrete block units, with built-up roof and concrete floors. Special features include secure Automated Data Processing Center, unheated storage building, flammable materials building and telephone switchboard. A two-story structure with mechanical and electrical equipment. Supporting facilities include parking and fuel dispensing system.

Air Conditioning: 100 Tons.

11. REQUIREMENT: 94,366 SF ADEQUATE: 0 SF SUBSTANDARD: 22,149 SF

PROJECT: This facility is required to house the Maryland Aviation elements; units of the 1/158 Armored Cavalry Squadron and Detachment 1, Headquarters, Headquarters Company, 140th Signal Detachment. These units will have a total authorized strength of 826 personnel.

REQUIREMENT: This armory facility will provide the necessary administration, indoor training areas, equipment storage space, secure area for ADP equipment and message system for transmission of classified information, and appropriate operational support to achieve proficiency in required training and to accomplish the assigned readiness objectives. A new 15-acre site has been added to the existing 25-year Federal license for the Weide Army Airfield, Edgewood Area, MD.

CURRENT SITUATION: The present armory facility consists of five (5) substandard semi-permanent buildings with an overall capacity of 22,149 SF constructed in 1942. Some aviation elements have been housed in armories with other units until adequate permanent housing could be built. None of these facilities adequately provide the needed training, food preparation, storage areas, and other facilities necessary to the requirements of these units.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 86
3 INSTALLATION AND LOCATION EDGEWOOD, MARYLAND		
4 PROJECT TITLE 400-PERSON ARMORY		5 PROJECT NUMBER 1204

IMPACT IF NOT PROVIDED: Units will be required to use substandard facilities with a deficiency of 72,217 SF in supply and training areas, while also relinquishing space in other armories needed by units assigned there. The overcrowded conditions will continue to have an adverse effect on troop morale, affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION EDGEWOOD, MARYLAND		
4 PROJECT TITLE 400-PERSON ARMORY		5 PROJECT NUMBER 1204

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
  (a) Date Design Started.............................. 5/85
  (b) Percent Complete as of January 1986 .... 50%
  (c) Percent Complete as of October 1986 .... 100%
  (d) Date Design Complete............................. 5/86

(2) Basis:
  (a) Standard or Definitive Design - Yes No X
  (b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
  (a) Production of Plans and Specifications........... (0)
  (b) All Other Design Costs........................... (0)
  (c) Total.. (276)
  (d) Contract... (276)
  (e) In-house... (0)

(4) Construction Start.................................. 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	14
JSIIDS	BP 2035	FY 87	12
TELECOMMUNICATIONS	BP 3727	FY 87	80
TARGETS	BP 3714	FY 87	36

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB [illegible]
3. INSTALLATION AND LOCATION CAMP CURTIS GUILD (READING), MASSACHUSETTS		4. AREA CONSTR COST INDEX 1.10

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED A MINIMUM OF FIVE DAYS PER WEEK FOR DAY-TO-DAY MAINTENANCE OF ASSIGNED EQUIPMENT AND FOR A TWO DAY WEEKEND TRAINING ASSEMBLY ONCE A MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CAMP CURTIS GUILD	(ON SITE)	ARMY NATIONAL GUARD MAJOR TRAINING SITE		
	CAMP CURTIS GUILD	(ON SITE)	800 PERSON ARMORY	39361 SF	1973
	WOBURN	(4 MILES)	150 PERSON ARMORY	27438 SF	1917
	MELROSE	(5 MILES)	300 PERSON ARMORY	26410 SF	1956
	DANVERS	(7 MILES)	300 PERSON ARMORY	19229 SF	1968
	DANVERS	(6 MILES)	150 PERSON ARMORY	10950 SF	1957

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOP (OMS)	8690 SF	543	3/85	3/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

21 FEB 85
(Date)

9. LAND ACQUISITION REQUIRED
NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

*A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE [illegible]

3. INSTALLATION AND LOCATION

CAMP CURTIS GUILD (READING), MASSACHUSETTS

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	14				1,021	125	896
ACTUAL	13				1,004	115	889

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY 26TH INFANTRY DIVISION UIC WPFNAA TPSN 03026	164	159
26TH MILITARY POLICE COMPANY (-) UIC WPFPAA TPSN 03026	174	173
26TH ADJUTANT GENERAL COMPANY (-) UIC WPFLAA TPSN 30326	246	239
704TH TRANSPORTATION DETACHMENT UIC WVR7AA TPSN 35753	4	4

(CONTINUED)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	236	236
TRAILERS	173	173

(CONTINUED)

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION
CAMP CURTIS GUILD (READING), MASSACHUSETTS

4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)	5 PROJECT NUMBER 746

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
B COMPANY, 126TH SIGNAL BATTALION UIC WPF3BO TPSN 03026	163	146
HEADQUARTERS, HEADQUARTERS COMPANY 1ST BRIGADE UIC WPFEAA TPSN 03026	94	102
272D CHEMICAL COMPANY UIC WVQSAA TPSN 03026	102	102
726TH FINANCE COMPANY (-) UIC WTMTAA TPSN 03026	74	79
TMSP 1	N/A	N/A
TMSP 9	N/A	N/A
TOTAL	1,021	1,004

13. MAJOR EQUIPMENT AND AIRCRAFT

WEIGHTED EQUIPMENT DENSITY

WED	#	TOTAL
.50	121	60.5
.75	50	37.5
1.00	63	63.0
1.125	2	2.25
1.250	0	0
	236	163.25

# OF BAYS	BAYS
163.25 - 20	1
143.25 ÷ 40	4
TOTAL	5

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP CURTIS GUILD (READING), MASSACHUSETTS	4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	214	743	543

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY...............................				426
ORGANIZATIONAL MAINTENANCE SHOP..............	SF	8,690	49.00	(426)
SUPPORTING FACILITIES..........................				91
FUEL DISPENSING SYSTEM	LS	-	-	(30)
WASH PLATFORM................................	LS	-	-	(12)
PAVING (FLEXIBLE)............................	SY	3,744	11.00	(41)
LUBE & INSPECTION RACK.......................	LS	-	-	(6)
UTILITIES....................................	LS	-	-	(2)
SUBTOTAL.......................................				517
CONTINGENCY (5%)...............................				26
SUPERVISION, INSP&OVERHEAD-FED (1.55%)..NON ADD				(8)
TOTAL REQUEST..................................				543
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(2)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of the construction of a 8,690 SF Organizational Maintenance Shop (OMS). Construction will be of steel and concrete masonry units with a concrete floor. Supporting facilities include a gasoline and diesel dispensing system, a lube and inspection rack and a military vehicle storage compound.

Air Conditioning - None

11. REQUIREMENT: 8,690 SF ADEQUATE: 0 SF SUBSTANDARD: 10,296 SF

PROJECT: A new five-bay maintenance shop to provide organizational maintenance for the vehicles and equipment assigned to this shop by the State Maintenance Plan.

REQUIREMENT: A facility requirement for 8,690 SF is requested to permit organizational level maintenance to be performed on vehicles authorized by the supported units.

CURRENT SITUATION: The Organizational Maintenance Shop is currently located on the Commonwealth Armory Site which is due for disposal as soon as all National Guard elements are relocated. The Massachusetts Legislature has sold the site along with buildings to Boston University. The Organizational Maintenance Shop will be relocated with its supported units to Camp Curtis Guild in Reading, Massachusetts.

IMPACT IF NOT PROVIDED: Since a new facility is required, the alternate to not building a new Organizational Maintenance Shop is to double up service in the existing shops within Massachusetts with a concomitant decrease in the efficiency and quality of the overall maintenance effort which will result in a further decrease in readiness.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CAMP CURTIS GUILD (READING), MASSACHUSETTS

4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)	5 PROJECT NUMBER 743

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 3/85
(b) Percent Complete as of January1986 .... 75%
(c) Percent Complete as of October1986 .... 100%
(d) Date Design Complete............................. 3/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (25)
(d) Contract... (25)
(e) In-house... (0)

(4) Construction Start................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TELECOMMUNICATIONS	BP 3727	FY 87	2

1. COMPONENT ARNG	**FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION CAMP GRAYLING (GRAYLING), MICHIGAN		4. AREA CONSTR COST INDEX 1.06

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY IS UTILIZED FOR WEEKEND TRAINING THROUGHOUT THE ENTIRE YEAR. THIS SITE IS ALSO USED FOR ANNUAL TRAINING BY MICHIGAN ARMY NATIONAL GUARD TROOPS AND OTHER GUARD AND RESERVE TROOPS IN SURROUNDING STATES. THE SITE IS APPROVED AS A 7200 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: CAMP GRAYLING (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179	AUTOMATED RECORD FIRE RANGE	LS	665	7/85	6/86
179	AUTOMATED FIELD FIRE RANGE	LS	553	7/85	6/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

3 MAY 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	MULTI-PURPOSE RANGE COMPLEX	$12,407
FY 88	FIELD GRADE BOQ	$439
FY 90	DISPENSARY	$337

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1 COMPONENT ARNC	**FY 19**87 **GUARD AND RESERVE MILITARY CONSTRUCTION**	2 DATE 14 FEB 86

3 INSTALLATION AND LOCATION
CAMP GRAYLING (GRAYLING), MICHIGAN

11 PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	161	28	88	45	10,433	1,048	9,385
ACTUAL	140	26	70	44	11,976	1,008	10,968

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
MICHIGAN ARMY NATIONAL GUARD TROOPS	10,433	11,976

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE [illegible]

3. INSTALLATION AND LOCATION CAMP GRAYLING (GRAYLING), MICHIGAN	4 PROJECT TITLE AUTOMATED RECORD FIRE RANGE

5 PROGRAM ELEMENT 55896A	6 CATEGORY CODE 179	7 PROJECT NUMBER 604	8 PROJECT COST ($000) 665

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				452
CONTROL TOWER	SF	168	340.00	(57)
ADMIN/STORAGE BUILDING	SF	800	20.00	(16)
AMMUNITION BREAKDOWN BUILDING	SF	120	20.00	(2)
RANGE: TARGET WIRING & PLACEMENTS & FLAGPOLE	LS	-	-	(377)
SUPPORTING FACILITIES				181
ROAD ACCESS	SY	439	4.50	(2)
SITE WORK: DRAINAGE, SEEDING & FINE GRADING	LS	-	-	(53)
PARKING	SY	350	11.00	(4)
MESS SHELTER	SF	800	15.00	(12)
LATRINE	SF	250	68.00	(17)
UTILITIES	LS	-	-	(93)
SUBTOTAL				633
CONTINGENCY (5%)				32
SUPERVISION, INSP & OVERHEAD (1.52%)...NON ADD				(10)
TOTAL REQUEST				665
EQUIP PROVIDED FROM OTHER FED APPR.....NON ADD				(1,290)

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of a 16 lane standard design automated record fire range with supporting facilities, to include control tower, mess shelter, target storage building and latrine.

Air Conditioning - 2 tons (Required for digital equipment)

11. REQUIREMENT: 1 EACH ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: A new 16 lane automated record fire range with supporting facilities to support all Michigan Army National Guard units.

REQUIREMENT: This project is required to provide modern training facilities for all Michigan Army National Guard units that train at Camp Grayling to gain and maintain combat readiness of individual soldiers. Remote Target System equipment provides a time efficient means of evaluating the soldiers ability to correctly engage multiple targets in a time constrained scenario.

CURRENT SITUATION: Basic rifle marksmanship training is conducted on inefficient record fire ranges. The current ranges are time consuming, inefficient, and maintenance intensive. This combination reduces the opportunity to improve the soldiers combat marksmanship skills.

IMPACT IF NOT PROVIDED: Disapproval or deferral of this project will result in continued loss of training time, a reduced quality of training, and continued extensive maintenance efforts on out-dated ranges.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CAMP GRAYLING (GRAYLING), MICHIGAN

4 PROJECT TITLE AUTOMATED RECORD FIRE RANGE	5 PROJECT NUMBER 604

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 7/85
(b) Percent Complete as of January 1986 .... 50%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 6/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (30)
(d) Contract... (30)
(e) In-house... (0)

(4) Construction Start.................................. 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TARGET & CONTROL MECHANISM AND DEVICES	BP3714	FY 87	1,290

9

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP GRAYLING (GRAYLING), MICHIGAN	4. PROJECT TITLE AUTOMATED FIELD FIRE RANGE

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 600	8. PROJECT COST ($000) 553

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				293
CONTROL TOWER	SF	168	340.00	(57)
ADMIN/STORAGE BUILDING	SF	800	20.00	(16)
AMMUNITION BREAKDOWN BUILDING	SF	120	20.00	(2)
RANGE: TARGET WIRING & PLACEMENT; FLAGPOLE.	LS	-	-	(218)
SUPPORTING FACILITIES				234
ACCESS ROAD	SY	13,123	5.50	(72)
SITE WORK & DRAINAGE, SEEDING, FINE GRADING.	LS	-	-	(58)
PARKING	SY	350	5.50	(2)
MESS SHELTER	SF	800	15.00	(12)
LATRINE	SF	250	68.00	(17)
ELECTRIC & LIGHTING	LS	-	-	(73)
SUBTOTAL				527
CONTINGENCY (5%)				26
SUPERVISION, INSP & OVERHEAD(1.55%)...NON ADD				(9)
TOTAL REQUEST				553
EQUIP PROVIDED FROM OTHER FED APPR....NON ADD				(1,134)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of a standard design Automated Field Fire Range with supporting facilities. Range will be designed and constructed so that it can be upgraded to full modified Field Fire configuration in the future.

Air Conditioning - 2 tons (required for digital equipment)

11. REQUIREMENT: 1 EACH ADEQUATE: NONE SUBSTANDARD: NONE

PROJECT: A new 16 lane Automated Field Fire Range with support facilities to support all Michigan Army National Guard units.

REQUIREMENT: This project is required to provide modern training facilities for all Michigan Army National Guard units that train at Camp Grayling to gain combat marksmanship skills to maintain readiness levels of the units. Remote target system ranges provide the most efficient means of training to required standards.

CURRENT SITUATION: Basic small arms training is conducted on inefficient ranges. These ranges are time consuming and inefficient during operation and are maintenance intensive. This combination of deficiencies combine to reduce the effectiveness and quality of training.

IMPACT IF NOT PROVIDED: Deferral of this project will result in a continued loss of training time, a reduce quality of training, and continued extensive maintenance effort.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO

1 **COMPONENT** ARNG	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 **DATE** 14 FEB 1986
3 **INSTALLATION AND LOCATION** CAMP. GRAYLING (GRAYLING), MICHIGAN		
4 **PROJECT TITLE** AUTOMATED FIELD FIRE RANGE		5 **PROJECT NUMBER** 600

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 7/85
(b) Percent Complete as of January 1986 .... 50%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 6/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (26)
(d) Contract... (26)
(e) In-house... (0)

(4) Construction Start.................................. 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TARGET & CONTROL MECHANISM AND DEVICES	BP3714	FY 87	1,134

93

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
ALBERT LEA, MINNESOTA

4. AREA CONSTR COST INDEX
1.08

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	AUSTIN	(22 MILES)	150-PERSON ARMORY	19,522 SF	1964
	OWATONNA	(34 MILES)	100-PERSON ARMORY	17,374 SF	1984
	MANKATO	(58 MILES)	150-PERSON ARMORY	28,400 SF	1914

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	100-PERSON ARMORY	20,481 SF	843	5/85	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

21 MAR 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
MED-OPC-No 82

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
ALBERT LEA, MINNESOTA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	4		3	1	147	6	141
ACTUAL	4		3	1	132	5	127

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
COMPANY A, 1/135TH INFANTRY UIC WPUUA0 TPSN 0304741	147	132

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	10	10
TRAILERS	9	9

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION ALBERT LEA, MINNESOTA	4. PROJECT TITLE 100-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 817	8. PROJECT COST ($000) 843

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				963
ARMORY BUILDING..............................	SF	20,481	47.00	(963)
SUPPORTING FACILITIES.........................				127
SITE PREPARATION (100% STATE)................	LS	-	-	(20)
FINE GRADING, SEEDING & PLANTING.............	LS	-	-	(20)
FENCING......................................	LF	422	10.00	(4)
PARKING: MILITARY, OFF-STREET & ACCESS......	SY	6,640	8.50	(56)
UTILITIES....................................	LS	-	-	(13)
SIDEWALK & FLAGPOLE..........................	LS	-	-	(6)
WASH RACK....................................	LS	-	-	(8)
SUBTOTAL......................................				1,090
CONTINGENCY (5%)..............................				55
FEDERAL SHARE................................				843
STATE SHARE.........................NON ADD				(302)
SUPERVISION, INSP&OVERHEAD-FED (1.45%)..NON ADD				(12)
TOTAL REQUEST.................................				843
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(20)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction of a specially designed armory facility of permanent, masonry type construction including all utilities and other supporting items required to complete the facility for its designed use.

Air Conditioning - 8 tons

11. REQUIREMENT: 20,481 SF ADEQUATE: 0 SF SUBSTANDARD: 14,828 SF

PROJECT: A new facility is requested to serve the peace time mission of Company A, 1/135th Infantry.

REQUIREMENT: The existing armory is extremely short of functional/operational space and cannot be expanded due to the present site constraints. The new armory will enable assigned personnel to perform their required tasks in a manner which will enhance the unit's readiness and training, thereby improving the unit's overall posture in the area of mobilization readiness. The new armory will be used to house Company A, 1/135th Infantry which has an authorized strength of 155 persons. The new facility will be located on five acres of State-owned land. No other Active or Reserve Forces will be collocated at the site. This facility will provide the necessary space to administer, train indoors and store the unit's authorized equipment and will enable accomplishment of assigned readiness objectives.

CURRENT SITUATION: The present facility consists of 14,828 SF and was constructed in 1940. The current structure is not adequate to support Company A, 1/135th Infantry due to the space deficiencies. Furthermore, the facility cannot be expanded because of site constraints. The facility is located in a business/residential area and has very limited parking during the week or during weekend training assemblies. The existing facility has no classroom space and office space is severely limited. The arms room vault is not

1 COMPONENT ARNG	FY 19 83 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB [illegible]
3 INSTALLATION AND LOCATION ALBERT LEA, MINNESOTA		
4 PROJECT TITLE 100-PERSON ARMORY		5 PROJECT NUMBER 817

11. CURRENT SITUATION (continued)
adequate to store the unit's weapons in an effective manner. Military vehicle parking area is not adequate for the vehicles and equipment that are authorized this unit. The overall effectiveness of the heating, cooling and lighting of this facility is inadequate.
IMPACT IF NOT PROVIDED: Assigned unit will be required to continue to train in an environment where there is overcrowding of troops and material. In addition, the unit will be expected to train in an environment that has no classrooms and is severely short of unit storage space. Personnel are now limited to access certain areas that are being used for storage. These areas should be used for training.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

ALBERT LEA, MINNESOTA

4 PROJECT TITLE 100-PERSON ARMORY	5 PROJECT NUMBER 817

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started............................. 5/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................ 12/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs............................ (0)
(c) Total... (37)
(d) Contract.. (37)
(e) In-house.. (0)

(4) Construction Start.................................. 3/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	10
OFFICE EQUIPMENT	BP 3723	FY 87	7
JSIIDS	BP 2035	FY 87	3

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO

1 COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1[illegible] FEB 1986
3 INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA		4 AREA CONSTR COST INDEX 1.08

5 FREQUENCY AND TYPE OF UTILIZATION

FACILITY IS UTILIZED FOR WEEKEND TRAINING THROUGHOUT THE ENTIRE YEAR. THIS SITE IS ALSO USED FOR ANNUAL TRAINING BY MINNESOTA ARMY NATIONAL GUARD TROOPS AND OTHER GUARD AND RESERVE TROOPS IN SURROUNDING STATES. THE SITE IS APPROVED AS A 9300 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CAMP RIPLEY	(ON SITE)	ARMY NATIONAL GUARD MAJOR TRAINING SITE		
	BRAINERD	(23 MILES)	100-PERSON ARMORY	16,370 SF	1936
	LONG PRAIRIE	(33 MILES)	100-PERSON ARMORY	15,790 SF	1920
	ST. CLOUD	(37 MILES)	100-PERSON ARMORY	26,447 SF	1960

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
179	TRAINING FACILITY - ANTI-ARMOR TRACKING & LIVE FIRE RANGE	LS	592	6/84	9/86
442	TROOP ISSUE SUBSISTENCE ACTIVITY (TISA)	62,706 SF	3,031	6/85	2/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

30 OCT 85

9 LAND ACQUISITION REQUIRED

NONE

0 (Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	TRAINING FACILITIES - TROOP AREA 10	$2,865
FY 88	LIGHT ANTI-ARMOR WEAPONS RANGE	$130
FY 88	TANK GUNNERY RANGE	$876
FY 88	AUTOMATED FIELD FIRE RANGE	$782

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION
CAMP RIPLEY (LITTLE FALLS), MINNESOTA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				10,422	1,003	9,419
ACTUAL	N/A				9,955	966	8,989

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH	
	AUTHORIZED	ACTUAL
MINNESOTA ARMY NATIONAL GUARD TROOPS	10,422	9,955

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

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Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARNG	FY 19⁸⁷ MILITARY CONSTRUCTION PROJECT DATA	2. DATE [illegible] FEB [illegible]

3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA	4. PROJECT TITLE TRAINING FACILITY-ANTI-ARMOR TRACKING AND LIVE FIRE RANGE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	179	560	592

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				309
CLEARING & GRUBBING/GRADING & SEEDING........	AC	55	1,636	(90)
PRIMARY ELECTRICAL, TRANSFORMER & WIRING.....	LS	-	-	(170)
SITE PREPARATION.............................	CY	32,700	1.50	(49)
SUPPORT FACILITIES............................				255
FIRING POINTS/SAFETY MARKERS.................	EA	10	55.00	(1)
TRACKING ROADS/ACCESS ROADS/PARKING AREA.....	SY	31,000	5.00	(155)
FLAG POLE/TENT PLATFORMS.....................	LS	-	-	(3)
BLDG FOR MOVING TARGETS/FIRING LINE COVERS...	LS	-	-	(24)
LATRINE FACILITIES...........................	SF	570	100.00	(57)
RANGE CONTROL TOWER..........................	LS	-	-	(15)
SUBTOTAL......................................				564
CONTINGENCY (5%)..............................				28
SUPERVISION, INSP&OVERHEAD-FED (1.55%)..NON ADD				(9)
TOTAL REQUEST.................................				592
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(300)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This proposed new construction of a year around Anti-Armor Tracking and Live Fire Range consists of elevated firing lines, moving target system, control tower, electrical services, target shed, access and service roads and associated earthwork. Supporting facilities include a masonry block latrine facility with shed roof and a concrete vault with heating system. Also, two concrete slabs for mess and warming tents will be constructed. This range will conform to current Reserve Component training requirements.

Air Conditioning - None

11. REQUIREMENT: N/A ADEQUATE: N/A SUBSTANDARD: N/A

PROJECT: This range will enable the training site to more effectively support the Inactive Duty Training and Annual Training needs of the Minnesota Army National Guard, the Army National Guard of other states and all other Reserve Component forces who utilize Camp Ripley as a year around training site.

REQUIREMENT: This range/training facility is required for the Army National Guard and other Reserve Component units performing year around Inactive Duty Training, winter and summer Annual Training, and will conform to current Army standards. This proposed Anti-Armor Tracking and Live Fire Range will unquestionably contribute to meeting Army training standards and increase combat realism.

CURRENT SITUATION: Existing facilities do not adequately meet the requirements needed to conduct training according to current Army standards.

IMPACT IF NOT PROVIDED: Existing ranges are not capable of completely fulfilling training needs of the troops who utilize Camp Ripley for Inactive Duty Training and year around summer and winter Annual Training. This inability to teach techniques of engaging targets with medium and heavy anti-armor weapons could adversely impact upon their ability to perform in a National emergency.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CAMP RIPLEY (LITTLE FALLS), MINNESOTA

4 PROJECT TITLE TRAINING FACILITY, ANTI-ARMOR TRACKING-LIVE FIRE RANGE	5 PROJECT NUMBER 560

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started............................. 6/84
(b) Percent Complete as of January 1986 .... 50%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................ 9/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... (0)
(b) All Other Design Costs.......................... (0)
(c) Total... (28)
(d) Contract.. (28)
(e) In-house.. (0)

(4) Construction Start.................................. 6/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Armor Moving Target	BP 3714	FY 87	300

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PAGE NO

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA	4. PROJECT TITLE TROOP ISSUE SUBSISTENCE ACTIVITY (TISA)

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 442	7. PROJECT NUMBER 854	8. PROJECT COST ($000) 3,031

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				2,759
TROOP ISSUE SUBSISTENCE ACTIVITY............	SF	62,706	44.00	(2,759)
SUPPORTING FACILITIES.........................				128
SOIL STABILIZATION..........................	LS	-	-	(12)
SITE GRADING & DRAINAGE.....................	LS	-	-	(18)
SIDEWALKS...................................	SF	1,000	1.25	(1)
PAVING (FLEXIBLE)...........................	SY	8,107	10.00	(81)
PAVING (HARDSTAND)..........................	SY	1,111	4.50	(5)
UTILITIES: ELEC, SEWER, MANHOLE & WATER......	LF	900	12.22	(11)
SUBTOTAL......................................				2,887
CONTINGENCY (5%)..............................				144
SUPERVISION, INSP&OVERHEAD-FED (1.37%)..NON ADD				(42)
TOTAL REQUEST.................................				3,031
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(15)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed warehouse facility with concrete floors, insulated masonry walls, and membrane roof. Facility will include freezer and chill rooms, ice storage room, office areas, latrines, and mechanical and electrical systems room. Supporting facilities include access roads, service aprons, loading docks, employee and customer parking areas.

Air Conditioning - 8 tons (Office Area)

11. REQUIREMENT: 62,706 SF ADEQUATE: 0 SF SUBSTANDARD: 26,044 SF

PROJECT: This project will provide the facilities required by the Troop Issue Subsistence Activity to support units conducting Inactive Duty Training or Annual Training at Camp Ripley.

REQUIREMENT: A new 62,706 SF facility is requested in order to adequately receive, store, secure and issue Class I items to the various units utilizing Camp Ripley for Inactive Duty Training, Annual Training or other required training.

CURRENT SITUATION: The Troop Issue Subsistence (Class I) activity presently functions in four separate facilities scattered throughout the utility area. These facilities are completely inadequate for their present usage. This situation impedes effective operational control of the various subsidiary functions of the Class I activity and is not conducive to effective accomplishment and continuous monitoring of supply operations. This situation impacts negatively on productive training time of supported units by requiring numerous stops to obtain required Class I supplies and services. Refrigeration compressors and other freezer equipment have long ago exceeded designed serviceable lifespans and now require extensive maintenance and repair on an ever increasing basis. Repair parts are no longer available as most of the equipment is over 40 years old. In addition, present equipment.

1 COMPONENT ARNG	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA		
4 PROJECT TITLE TROOP ISSUE SUBSISTENCE ACTIVITY (TISA)		5 PROJECT NUMBER 854

CURRENT SITUATION: (Continued)
is very energy inefficient. Freezer and chill room doors cannot accommodate standard size pallets. This requires unloading and reloading onto smaller pallets that can be accommodated resulting in a wasteful loss of productive time. Refrigerated space is poorly insulated and leaks are constantly developing in the insulation envelope surrounding the freezer space. Available space for all functions is seriously deficient.
IMPACT IF NOT PROVIDED: The Camp Ripley Troop Issue Subsistence Activity will be forced to continue operations in four disjoined facilities, separated beyond the limits of an effective managerial span of control. These facilities are inadequate for their present function which results in a needless reduction in level of efficiency and quality of service to troop units in training.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA		
4 PROJECT TITLE TROOP ISSUE SUBSISTENCE ACTIVITY (TISA)		5 PROJECT NUMBER 854

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 6/85
(b) Percent Complete as of January 1986 .... 70%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................. 2/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs............................ (0)
(c) Total.. (125)
(d) Contract... (125)
(e) In-house... (0)

(4) Construction Start.................................. 7/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
OFFICE FURNITURE	BP 3723	FY 87	15

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE [illegible] FEB 1986
3. INSTALLATION AND LOCATION DETROIT LAKES, MINNESOTA		4. AREA CONSTR COST INDEX 1.08

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED A MINIMUM OF FIVE DAYS PER WEEK FOR DAY-TO-DAY MAINTENANCE OPERATIONS AND FOR A TWO DAY WEEKEND TRAINING ASSEMBLY ONCE A MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	DETROIT LAKES	(COLLOCATED)	100 PERSON ARMORY	14,513 SF	1955
	PARK RAPIDS	(36 MILES)	100 PERSON ARMORY	16,809 SF	1922
	MOOREHEAD	(44 MILES)	150 PERSON ARMORY	19,428 SF	1935

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION/ALTERATION	4,603 SF	374	12/83	7/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

30 OCT 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARNG	**FY 19_87 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
DETROIT LAKES, MINNESOTA

11. PERSONNEL STRENGTH AS OF 15 NOV 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	8	0	0	8	792	44	748
ACTUAL	9	1	3	5	760	43	717

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
2/136TH INFANTRY BATTALION UIC WPUZAA TPSN 0400142	792	760

WEIGHTED EQUIPMENT DENSITY

WED	#	TOTAL
.50	50	25.0
.75	6	4.5
1.00	28	28.0
1.125	31	34.9
1.250	0	0
	115	92.4

# OF BAYS	BAYS
92.4 - 20	1
72.4 ÷ 40	2
TOTAL	3

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	89**	93*
TRACKED VEHICLES	178 89**	177 84
TRAILERS	54	54

* 4 EA 1/2 TON PICKUPS AUTHORIZED FOR USE OF ACTIVE DUTY SUPPORT PERSONNEL ASSIGNED TO "ROUNDOUT" UNITS.

** LESS VEHICLES PARKED AT MATES.

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION DETROIT LAKES, MINNESOTA	4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 803	8. PROJECT COST ($000) 374

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				307
ADDITION/MAINTENANCE SHOP..................	SF	3,974	62.00	(246)
ALTERATION/MAINTENANCE SHOP................	SF	629	8.00	(5)
REHABILITATION ON EXISTING BUILDING..........	LS	-	-	(56)
SUPPORTING FACILITIES.........................				49
SITE PREPARATION..............................	LS	-	-	(16)
PAVING (RIGID) CONCRETE.......................	LS	-	-	(4)
OVERHEAD CRANE................................	LS	-	-	(15)
UTILITIES.....................................	LS	-	-	(5)
WASTE OIL TANK................................	LS	-	-	(1)
LOADING RAMP..................................	LS	-	-	(8)
SUBTOTAL......................................				356
CONTINGENCY (5%)..............................				18
SUPERVISION, INSP&OVERHEAD-FED (1.70%)..NON ADD				(6)
TOTAL REQUEST.................................				374
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed addition to an existing maintenance facility. Also included are alterations and rehabilitation of the facility. Provided in the project will be an additional work bay, a wash/vehicle warming/work bay, and additional work and personnel areas. A membrane roof and concrete floor will be utilized. The addition will be concrete block with brick veneer to match the existing building. 5 ton overhead crane will be provided in the shop area. Air Conditioning - 1 ton

11. REQUIREMENT: 6,177 SF ADEQUATE: 1,574 SF SUBSTANDARD: 629 SF

PROJECT: Construct addition to the existing building and also alter and rehabilitate other space within the building to provide organizational maintenance for both the vehicles and equipment supported by this maintenance shop.

REQUIREMENT: The addition, alteration and rehabilitation are required to permit maintenance at organizational level to be performed on vehicles and equipment authorized on Modified Table Of Allowances by supported units. A 5 ton overhead crane is required to support tracked vehicle maintenance.

CURRENT SITUATION: The existing structure, consisting of approximately 2,040 SF was constructed in 1961. The criteria in effect at the time of the initial construction has proven to be inadequate to satisfy the maintenance requirements of the organization that the facility supports. The facility has proven to be inadequate in the following areas: latrine, locker room, break area, supply room, battery room, commo/electronics room and work bays (one additional work bay is authorized by weighted vehicle density). The shop also requires year round use facilities for washing vehicles and equipment, and a loading ramp for loading and unloading tracked vehicles.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION DETROIT LAKES, MINNESOTA		
4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION/ALTERATION		5 PROJECT NUMBER 803

IMPACT IF NOT PROVIDED: The quality of work will continue to decrease due to deficient work and storage areas that now exist at the facility. The organization that the facility now supports is a "Roundout" unit, having a high density of equipment on hand requiring a high state of mobilization readiness. This level of maintenance cannot be accomplished within the present space-deficient facility.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
3 INSTALLATION AND LOCATION DETROIT LAKES, MINNESOTA		
4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP ADDITION/ALTERATION (OMS		5 PROJECT NUMBER 803

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 12/83
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 7/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (6)
(d) Contract... (6)
(e) In-house... (0)

(4) Construction Start................................ 4/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

1 COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION MOOREHEAD, MINNESOTA		4 AREA CONSTR COST INDEX 1.08

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	DETROIT LAKES	(45 MILES)	100-PERSON ARMORY	14,513 SF	1955
	FERGUS FALLS	(56 MILES)	100-PERSON ARMORY	14,620 SF	1955
	CROOKSTON	(70 MILES)	100-PERSON ARMORY	16,719 SF	1972

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	200-PERSON ARMORY	33,151 SF	1,331	5/85	4/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

21 MAR 85

9 LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88 MOTOR VEHICLE STORAGE BUILDING $318

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"

DD FORM 1 DEC 76 1390s

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION

MOORHEAD, MINNESOTA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	13	5	7	1	212	24	188
ACTUAL	13	5	7	1	182	21	161

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY, 2/136 INFANTRY (M) (-AUGMENTEES)	212	182

UIC WPUZTO
TPSN 0400142

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
TRACKED VEHICLES	4	4
WHEELED VEHICLES	37	37
TRAILERS	31	31

PARKING PROVIDED FOR ONLY 57. THE REMAINING VEHICLES ARE AT THE MATES.

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION MOORHEAD, MINNESOTA	4. PROJECT TITLE 200-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 835	8. PROJECT COST ($000) 1,331

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				1,525
ARMORY BUILDING..............................	SF	31,621	47.18	(1,492)
UNHEATED METAL STORAGE BUILDING.............	SF	1,365	20.00	(27)
FLAMMABLE MATERIALS BUILDING................	SF	165	35.00	(6)
SUPPORTING FACILITIES...........................				183
SITE PREPARATION (100% STATE)................	LS	-	-	(20)
FINE GRADING, SEEDING & PLANTING............	LS	-	-	(31)
FENCING......................................	LF	663	12.50	(8)
PARKING; MILITARY, OFF-STREET & ACCESS.....	SY	9,765	8.93	(87)
UTILITIES....................................	LS	-	-	(13)
SIDEWALKS & FLAGPOLE.........................	LS	-	-	(6)
SECURITY LIGHTING............................	LS	-	-	(3)
FUEL DISPENSING SYSTEM.......................	LS	-	-	(10)
RIGID CONCRETE...............................	SY	347	15.00	(5)
SUBTOTAL..				1,708
CONTINGENCY (5%)................................				85
FEDERAL SHARE................................				1,331
STATE SHARE.........................NON ADD				(462)
SUPERVISION,INSP&OVERHEAD-FED(1.40%)...NON ADD				(19)
TOTAL REQUEST...................................				1,331
EQUIP PROVIDED FROM OTHER FED APPR.....NON ADD				(20)

10. DESCRIPTION OF PROPOSED CONSTRUCTION: The construction of a specially designed facility of permanent, masonry type construction including all utilities and other supporting items required to complete the facility for its designed use. The facility will utilize the most economical energy source available at the proposed location. Supporting facilities include a fuel dispensing system, fencing, access roads, and off-street parking.
Air Conditioning: 11 tons

11. REQUIREMENT: 33,151 SF ADEQUATE: 0 SF SUBSTANDARD: 19,428 SF
PROJECT: A new facility is requested to serve the peacetime mission of Headquarters, Headquarters Company 2/136 Infantry. The existing armory is extremely short of functional/operational space and cannot be expanded due to the present site constraints. The new armory will enable assigned personnel to perform their required tasks in a manner which will enhance the unit's readiness and training, thereby improving the unit's overall posture in the area of mobilization readiness. The new facility will be located on a five acre state owned site. No other Active or Reserve Forces will be collocated at the site. This facility will provide the necessary space to administer, train indoors and store the unit's authorized equipment to enable accomplishment of assigned readiness objectives.
REQUIREMENT: The proposed facility will provide this unit with the necessary administration, indoor training, mess, supply and equipment storage areas necessary to accomplish assigned readiness objectives.
CURRENT SITUATION: The present facility consists of 19,428 SF and was

1 COMPONENT ARNG	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION MOOREHEAD, MINNESOTA		
4 PROJECT TITLE 200-PERSON ARMORY		5 PROJECT NUMBER 835

constructed in 1935. The current structure is not adequate to support the assigned unit due to the space deficiencies and inadequacies of a building of this age. Furthermore, this facility cannot be expanded because of the site constraints. This facility is located in a business/residential area and has very limited parking. The existing facility has minimal storage capability which negatively impacts on the proper storage and security of unit equipment. Military vehicle parking area is not adequate to store the vehicles and equipment that are assigned to this unit. The overall effectiveness of the heating, cooling and lighting is inadequate.
IMPACT IF NOT PROVIDED: Assigned organization rounds out the 1ST Division (Active) and is a priority organization to train. If the proposed project is not provided, this unit must continue to train in an atmosphere of overcrowding of troops, material and limited training areas. The impact of this type of training will reflect on this unit's ability to achieve the mobilization posture that is required of a roundout unit. The equipment of this unit will continue to be stored and secured in a manner which is detrimental to all unit personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 198
3 INSTALLATION AND LOCATION MOORHEAD, MINNESOTA		
4 PROJECT TITLE 200-PERSON ARMORY		5 PROJECT NUMBER 835

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 5/85
(b) Percent Complete as of January 1986 .... 60%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................. 4/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (56)
(d) Contract... (56)
(e) In-house... (0)

(4) Construction Start.................................. 10/86 month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	10
OFFICE EQUIPMENT	BP 3723	FY 87	7
JSIIDS	BP 2035	FY 87	3

1 COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986
3. INSTALLATION AND LOCATION CAMP SHELBY, MISSISSIPPI		4 AREA CONSTR COST INDEX 0.84

5 FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED FIVE DAYS PER WEEK FOR DAY-TO-DAY ADMINISTRATIVE REQUIREMENTS. FACILITY IS USED FOR TRAINING 50 WEEKENDS PER YEAR. THIS SITE ALSO USED DURING ANNUAL TRAINING TO ALLOW GUARD AND RESERVE THE OPPORTUNITY TO KEEP THEMSELVES PROFICIENT IN CURRENT MAINTENANCE PROCEDURES AND REPAIR OF THE LATEST MILITARY EQUIPMENT. THIS SITE IS APPROVED AS A 8900 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: CAMP SHELBY (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	REGIONAL MAINTENANCE TRAINING SITE (RMTS)	22,822 SF	1,214	4/85	5/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

11 JUL 85
(Date)

9 LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	REGIONAL MEDICAL TRAINING FACILITY	$720
FY 88	AUTOMATED RECORD FIRE RANGE	$451
FY 88	TANK TABLE VIII	$1,855

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION

CAMP SHELBY (HATTIESBURG), MISSISSIPPI

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	22	1	21	0	N/A		
ACTUAL	18	2	16	0	N/A		

12. RESERVE UNIT DATA STUDENTS TO BE DETAILED FROM THE FOLLOWING UNITS

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
778TH MAINTENANCE COMPANY UIC WVR8AA TPSN 31133	242	223
3646TH MAINTENANCE COMPANY UIC WQC6AA TPSN 31125	123	129
3673TH MAINTENANCE COMPANY UIC WVBXAA TPSN 31125	123	135
900TH MAINTENANCE COMPANY UIC WTDNAA TPSN 31165	190	211

(CONTINUED)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
M1 TURRET TRAINER	1	
M60A3 PANEL TRAINER	1	
M1 PANEL TRAINERS	5	
M2/3 TURRET TRAINER	1	N/A
M2/3 PANEL TRAINERS	4	
FIST V MAINTENANCE TRAINER	1	
IMPROVED TOW VEHICLE TRAINER	1	
ARTILLERY TURRET TRAINER	1	

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION
CAMP SHELBY (HATTIESBURG), MISSISSIPPI

4 PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)	5 PROJECT NUMBER 890

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH	
	AUTHORIZED	ACTUAL
3671ST MAINTENANCE COMPANY UIC WQPTAA TPSN 31125	123	158
715TH MAINTENANCE COMPANY UIC WQDUAA TPSN 31134	242	273
367TH MAINTENANCE COMPANY UIC WXFCAA TPSN 31133	232	282

IN ADDITION TO THE UNITS INDICATED ABOVE, OTHER ARNG AND USAR UNITS IN MISSISSIPPI AND SURROUNDING STATES, WHICH HAVE MAINTENANCE ELEMENTS WILL HAVE ACCESS TO THE PROPOSED FACILITY FOR MAINTENANCE TRAINING.

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP SHELBY, MISSISSIPPI	4. PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 890	8. PROJECT COST ($000) 1,214

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY...............................				1,020
REGIONAL MAINTENANCE TRAINING SITE..........	SF	22,394	45.00	(1,008)
FLAMMABLE MATERIALS BUILDING................	SF	428	28.00	(12)
SUPPORTING FACILITIES.........................				136
PARKING: HARDSTAND.........................	SY	1,125	7.00	(8)
RIGID: APRONS, TURN PADS..........	SF	21,900	2.50	(55)
FLEXIBLE: OFF-STREET & ACCESS.....	SY	2,906	9.00	(26)
SECURITY FENCING............................	LF	248	8.50	(2)
UTILITIES....................................	LS	-	-	(27)
GRADING & SEEDING...........................	LS	-	-	(10)
WASHRACK & OIL TANK.........................	LS	-	-	(7)
SIDEWALKS....................................	SF	1,000	1.40	(1)
SUBTOTAL......................................				1,156
CONTINGENCY (5%)..............................				58
SUPERVISION, INSP & OVERHEAD (1.42%)...NON ADD				(17)
TOTAL REQUEST.................................				1,214
EQUIP PROVIDED FROM OTHER FED APPR.....NON ADD				(189)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of a maintenance training facility with 10 workbays, four classrooms, administrative area, a simulator (training device) area constructed of masonry, built-up roof and concrete floor. Partitions to consist of masonry lock. Supporting facilities include a wash platform, military vehicle compound, public parking and necessary utilities.

Air Conditioning - 29 tons

11. REQUIREMENT: 22,822 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: A new facility is requested to train Reserve Component non-divisional maintenance companies for their wartime missions. The facility will provide a location for the regional training of these highly perishable skills at an economical expense.

REQUIREMENT: This facility is required to house the Active Guard & Reserve personnel (approx 22) assigned plus a student load of 37 to 50. This facility will provide the necessary administrative, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish the assigned readiness objectives.

CURRENT SITUATION: There is no facility to conduct this type training in the region. Schools that are available in these Military Occupational Skills areas are outside this region. Maintenance Training Teams are not now readily available.

IMPACT IF NOT PROVIDED: Transition maintenance companies within this region will not have the technical expertise available to make a timely transition nor will there be a Maintenance Training Team within this region to support highly technical equipment assigned.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION CAMP SHELBY, MISSISSIPPI		
4 PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)		5 PROJECT NUMBER 890

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 4/85
(b) Percent Complete as of January 1986............. 45%
(c) Percent Complete as of October 1986............. 100%
(d) Date Design Complete.............................. 5/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs.............................. (0)
(c) Total.. (52)
(d) Contract.. (52)
(e) In-house.. (0)

(4) Construction Start.................................... 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
M1x1100-3B TRANSMISSION TROUBLE SHOOTING TRAINER, DEVICE 17-68/6	GB 1300	FY 87	57
M1 TURRET MAINTENANCE TROUBLE SHOOTING TRAINER, DEVICE 17-68/1	GB 1300	FY 87	66
M1 TURRET ELECTRICAL/ HYDRAULIC TROUBLE SHOOTING TRAINER, DEVICE 17-68/2	GB 1300	FY 87	66

120

1 COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2 DATE
14 FEB 1986

3 INSTALLATION AND LOCATION
BILLINGS, MONTANA

4 AREA CONSTR COST INDEX
1.15

5 FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED A MINIMUM OF FIVE DAYS PER WEEK FOR DAY-TO-DAY MAINTENANCE OPERATIONS AND FOR A TWO DAY WEEKEND TRAINING ASSEMBLY ONCE A MONTH.

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	BILLINGS	(4 MILES)	200 PERSON ARMORY	14,000 SF	1956
	HARLOWTON	(93 MILES)	60 PERSON ARMORY	15,649 SF	1984
	LIVINGSTON	(115 MILES)	60 PERSON ARMORY	2,000 SF	

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOP (OMS)	5,981 SF	410	11/84	12/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

26 SEP 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9 LAND ACQUISITION REQUIRED
NONE
0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible]

1. COMPONENT ARNG	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 19[illegible]

3. INSTALLATION AND LOCATION

BILLINGS, MONTANA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	6			6	376	31	345
ACTUAL	5			5	399	31	368

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS TROOP (-) 1/163d ARMORED CAVALRY UIC WQNRTO TPSN 18153	162	175
COMPANY D, 1/163d ARMORED CAVALRY UIC WQNRD1 TPSN 18153	86	99
155MM SP BATTERY (-), 1/163d ARMORED CAVALRY UIC WQNRP0 TPSN 18153	59	59
DET 1, 155MM SP BATTERY, 1/163d ARMORED CAVALRY UIC WQNRP1 TPSN 18153	69	66

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	48	61
TRACKED VEHICLES	26	24
TRAILERS	29	29

(CONTINUED)

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION BILLINGS, MONTANA	
4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS)	5 PROJECT NUMBER 341

13. MAJOR EQUIPMENT AND AIRCRAFT

WEIGHTED EQUIPMENT DENSITY

WED	#	TOTAL	# BAYS	BAYS
.50	16	8.00	69.50 - 20 =	1
.75	6	4.50	49.50 ÷ 40 =	2
1.00	22	22.00	(SEE EXCEPTION TO CRITERIA)*	2
1.125	20	22.50	TOTAL	5
1.250	10	12.50		
	74	69.50		

*AN ENCLOSED WASH/WARM-UP AND LUBE AND INSPECTION BAY AUTHORIZED TO TEST THE ARMY'S STANDARD MAINTENANCE PLATFORM CONCEPT.

1. COMPONENT ARNG	FY 19 8 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION BILLINGS, MONTANA	4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 341	8. PROJECT COST ($000) 410

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY...............................				308
ORGANIZATIONAL MAINTENANCE SHOP.............	SF	5,867	52.00	(305)
FLAMMABLE MATERIALS BUILDING................	SF	114	30.00	(3)
SUPPORTING FACILITIES..........................				82
FUEL STORAGE & DISPENSING SYSTEM............	LS	-	-	(11)
SITE PREPARATION............................	LS	-	-	(20)
SOIL STABILIZATION & PLANTING...............	LS	-	-	(4)
UTILITIES: WATER, SEWER, GAS, TELE.........	LS	-	-	(15)
PAVING: HARDSTAND...........................	SY	423	4.50	(2)
FENCING.....................................	LF	443	10.00	(4)
PAVING: FLEXIBLE (ACCESS ROAD)..............	SY	270	9.00	(2)
PAVING: RIGID...............................	LS	-	-	(15)
SIDEWALKS & WASTE OIL STORAGE...............	LS	-	-	(4)
LOADING RAMP................................	LS	-	-	(5)
SUBTOTAL.......................................				390
CONTINGENCY (5%)...............................				20
SUPERVISION,INSP&OVERHEAD-FED (1.65%) NON ADD				(7)
TOTAL REQUEST..................................				410
EQUIP PROVIDED FROM OTHER FED APPR.... NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of a maintenance facility with two workbays, plus two special purpose workbays and administrative work area constructed of masonry, built-up roof, and concrete floors. Partitions to consist of masonry block.

Air Conditioning - 1 1/2 tons

11. REQUIREMENT: 5,981 SF ADEQUATE: 0 SF SUBSTANDARD: 6,748 SF

PROJECT: A new facility to provide organizational maintenance for the vehicles and equipment supported by this shop.

REQUIREMENT: A facility requirement for 5,981 SF is required to permit maintenance of organizational level to be performed on vehicles authorized by Modified Table of Equipment/Table of Distribution and Allowances of the supported units.

CURRENT SITUATION: The existing shop contains 6,748 SF and was constructed in 1950 as motor vehicle storage building. The facility is inadequate in the following areas: latrines, locker room, battery room, flammable materials storage and overhead crane. The shop does not have a system to control waste water from the cleaning of equipment, nor does it have a storage tank for waste oil. This shop has no inspection and lube rack, heating, lighting, and ventilation are also inadequate in the existing facility.

IMPACT IF NOT PROVIDED: The quality of work will decrease due to deficient work and storage areas to perform administrative and maintenance duties. Morale, safety and health of the employees will be jeopardized due to inadequate and substandard working space and conditions.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

BILLINGS, MONTANA

4 PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP	5 PROJECT NUMBER 341

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
- (a) Date Design Started.............................. 11/84
- (b) Percent Complete as of January 1986 .... 100%
- (c) Percent Complete as of October 1986 .... 100%
- (d) Date Design Complete.............................. 12/85

(2) Basis:
- (a) Standard or Definitive Design - Yes No X
- (b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications........... (0)
- (b) All Other Design Costs........................... (0)
- (c) Total.. (20)
- (d) Contract... (20)
- (e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1 COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION

2 DATE

3 INSTALLATION AND LOCATION
HASTINGS, NEBRASKA

4 AREA CONSTR COST INDEX
1.03

5 FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED A MINIMUM OF FIVE DAYS PER WEEK FOR DAY-TO-DAY MAINTENANCE OPERATIONS AND FOR A TWO DAY WEEKEND TRAINING ASSEMBLY ONCE A MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USAR:	HASTINGS	(2 MILES)	ARMORY	13,400 SF	1944
USAF:	HASTINGS	(2 MILES)	RADAR STATION		
ARNG:	HASTINGS	(6 MILES)	150-PERSON ARMORY	15,883 SF	1954

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214	UNIT TRAINING EQUIPMENT SITE (UTES)	8,736 SF	581	3/85	2/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

22 MAY 85
(Date)

9 LAND ACQUISITION REQUIRED
NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

FY 90 DINING FACILITY/TROOP BARRACKS $1,200

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1 COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
HASTINGS, NEBRASKA

11 PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	12			12	682	45	637
ACTUAL	6			6	668	40	628

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
1/195TH ARMOR UIC WXFWAA TPSN 1406740	523	540
C COMPANY, 2/134TH INFANTRY UIC WPXPCO TPSN: 1406742	159	128

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	11	11
TRACKED VEHICLES	64	59

WEIGHTED EQUIPMENT DENSITY

WED	#	TOTAL
.50	3	1.5
.75	2	1.5
1.00	4	4.0
1.125	46	51.7
1.250	20	25.0
	75	83.7

# OF BAYS	BAYS
83.7 - 20	1
63.7 ÷ 40	2
TOTAL	3

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION HASTINGS, NEBRASKA	4. PROJECT TITLE UNIT TRAINING EQUIPMENT SITE (UTES)

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 362	8. PROJECT COST ($000) 581

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				454
UNIT TRAINING EQUIPMENT SITE (UTES)..........	SF	8,736	51.96	(454)
SUPPORTING FACILITIES...........................				99
SITE PREPARATION............................	LS	-	-	(7)
FINE GRADING, SEEDING & PLANTING............	LS	-	-	(8)
FENCING.....................................	LF	910	7.00	(6)
PAVING......................................	SY	2,055	12.65	(26)
UTILITIES: WATER, SEWER & ELECTRIC..........	LS	-	-	(33)
LUBE & INSPECTION RACK......................	LS	-	-	(10)
WASH PLATFORM...............................	LS	-	-	(8)
WASTE OIL TANK..............................	LS	-	-	(1)
SUBTOTAL..				553
CONTINGENCY (5%)................................				28
SUPERVISION, INSP&OVERHEAD-FED (1.55%)..NON ADD				(9)
TOTAL REQUEST...................................				581
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Specially designed building for maintenance of tracked combat vehicles. The facility includes work bays, allied shops and administrative areas. Construction will be permanant concrete masonry block units with built-up roof. Work bays will utilize a drive-thru feature. Project consists of grading, placement of rigid and flexible pavement and fencing.

Air Conditioning - 2 tons

11. REQUIREMENT: 8,736 SF ADEQUATE: 0 SF SUBSTANDARD: 4,173 SF

PROJECT: Construction of concrete block structure containing prescribed space, equipment and utility systems to support the mission assigned to the Unit Training Equipment Site (UTES).

REQUIREMENT: The facility is required to provide adequate work areas in which both scheduled and unscheduled maintenance can be accomplished without interference or unprogrammed delay.

CURRENT SITUATION: Existing facilities consist of a temporary metal building. This building does not provide adequate work space in any of the functional areas. There are critical shortages in the size of the work bays, administrative areas and allied shops. The existing facilities will continue to be utilized as a storage area in support of the Unit Training Equipment Site operation.

IMPACT IF NOT PROVIDED: The lack of adequate work, storage, administrative and personnel areas adversely affect all aspects of the Unit Training Equipment Site maintenance mission. These areas affect scheduling, parts and tool storage, personnel health and welfare, all of which affect equipment availability because work cannot be completed on time. Training and readiness of supported units will be reduced due to nonavailability of equipment.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

HASTINGS, NEBRASKA

4 PROJECT TITLE UNIT TRAINING EQUIPMENT SITE (UTES)	5 PROJECT NUMBER 362

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 3/85
(b) Percent Complete as of January 1986 .... 90%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................. 2/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (27)
(d) Contract... (27)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

1. COMPONENT
ARNG

FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE
14 FEB 1985

3. INSTALLATION AND LOCATION
SEA GIRT, NEW JERSEY

4. AREA CONSTR COST INDEX
1.08

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY IS USED FOR WEEKEND TRAINING THROUGHOUT THE ENTIRE YEAR. THIS SITE IS ALSO USED FOR ANNUAL TRAINING BY THE NEW JERSEY ARMY NATIONAL GUARD. SITE IS APPROVED APPROVED AS A 400 PERSON TRAINING SITE BY THE NATIONAL GUARD BUREAU.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	LONG BRANCH	(16 MILES)	300 PERSON ARMORY	23,304 SF	1959
	TOMS RIVER	(17 MILES)	100 PERSON ARMORY	14,456 SF	1956
	FREEHOLD	(18 MILES)	150 PERSON ARMORY	17,743 SF	1961

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179	BAFFLED RANGES	LS	567	5/85	3/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
30 APR 85

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED
NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION

SEA GIRT, NEW JERSEY

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				14,320	1,345	12,975
ACTUAL	N/A				12,006	1,195	10,811

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
NEW JERSEY ARMY NATIONAL GUARD TROOPS	14,320	12,006

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

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Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION SEA GIRT, NEW JERSEY	4. PROJECT TITLE BAFFLED RANGES

5. PROGBAM ELEMENT 55896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 314	8. PROJECT COST ($000) 567

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY...............................				525
BASIC 25-METER PISTOL RANGE (BAFFLED)........	LS	-	-	(222)
BASIC 25-METER RIFLE RANGE (BAFFLED).........	LS	-	-	(230)
10-METER MACHINE GUN RANGE (BAFFLED).........	LS	-	-	(73)
SUPPORTING FACILITIES..........................				15
TARGET STORAGE BUILDING & FLAGPOLE..........	LS	-	-	(9)
ACCESS ROAD..................................	SY	1,220	5.00	(6)
SUBTOTAL..				540
CONTINGENCY (5%)...............................				27
SUPERVISION, INSP&OVERHEAD-FED (1.55%)..NON ADD				(9)
TOTAL REQUEST..................................				567
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(47)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of three small arms ranges for pistol, rifle and machine gun training in accordance with current Army doctrine. All three ranges will be baffled. Supporting facilities include a target shed and a military vehicle parking.

Air Conditioning - None

11. REQUIREMENT: 0 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: This project consists of three baffled small arms ranges and supporting facilities to allow the performance of familiarization and individual weapons qualification training required for the Reserve Components.

REQUIREMENT: This proposed project is requested to provide three baffled small arms ranges for pistol, rifle and machine gun training to permit Reserve Component troops to familiarize and qualify themselves with their individual and crew served weapons. To allow units the capability to field fire is the minimum essential training objective required to effectively keep the soldiers combat ready.

CURRENT SITUATION: The National Guard Training Center, Sea Girt, New Jersey contains 167 acres and is occupied by the New Jersey Army National Guard Officer Candidate School and Non-Commissioned Officer Academy. The Training Center has the capability for five small ranges but it is deficient in surface danger zones. The three baffled ranges will provide for annual qualification/familiarization with individual and crew serve weapons.

IMPACT IF NOT PROVIDED: Fuel costs will increase and training time will decrease due to the travel involved in having to utilize other training areas because of limited range facilities.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION SEA GIRT, NEW JERSEY		
4 PROJECT TITLE BAFFLED RANGES		5 PROJECT NUMBER 314

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started 5/85
(b) Percent Complete as of January 1986 .... 50%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete 3/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications .... (0)
(b) All Other Design Costs .... (0)
(c) Total .... (26)
(d) Contract .... (26)
(e) In-house .... (0)

(4) Construction Start 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TARGET MECHANISMS	BP 3714	FY 87	47

1 COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION

2 DATE
14 FEB 19[illegible]

3. INSTALLATION AND LOCATION
DRYDEN, NEW YORK

4 AREA CONSTR COST INDEX
1.12

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION 5 DAYS PER WEEK WITH A 2-DAY TRAINING ASSEMBLY PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CORTLAND	(30 MILES)	200-PERSON ARMORY	25,013 SF	1959
	BIG FLATS	(30 MILES)	150-PERSON ARMORY	20,033 SF	1977
USAR:	ITHACA	(3 MILES)	60-PERSON ARMORY	12,555 SF	1957

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	200-PERSON ARMORY	27,517 SF	1,670	9/85	5/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

10 SEP 85
(Date)

9 LAND ACQUISITION REQUIRED
NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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NGB-DFC-No 82

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION

DRYDEN, NEW YORK

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	9				279	11	268
ACTUAL	9				248	6	242

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
COMPANY C, 2D BATTALION 174TH INFANTRY UIC WV4BCO TPSN 0304241	155	143
SUPPORT COMPANY,1ST BATTALION,108 INFANTRY UIC WPAQPO TPSN 0304242	124	105

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	35	26
TRACKED VEHICLES	3	3
TRAILERS	19	19

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION DRYDEN, NEW YORK	4. PROJECT TITLE 200-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 688	8. PROJECT COST ($000) 1,670

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				1,864
ARMORY BUILDING..............................	SF	27,352	68.00	(1,860)
FLAMMABLE MATERIALS BUILDING................	SF	165	24.00	(4)
SUPPORTING FACILITIES..........................				338
SITE PREPARATION (100% STATE)................	LS	-	-	(80)
FINE GRADING, SEEDING & PLANTING............	LS	-	-	(30)
FENCING..	LF	728	10.00	(7)
PAVING: FLEXIBLE, HARDSTAND & RIGID.........	LS	-	-	(124)
UTILITIES......................................	LS	-	-	(50)
WASH PLATFORM & FLAGPOLE....................	LS	-	-	(12)
FUEL DISPENSING SYSTEM.......................	LS	-	-	(35)
SUBTOTAL.......................................				2,202
CONTINGENCY (5%)..............................				110
FEDERAL SHARE................................				1,670
STATE SHARE.........................NON ADD				(642)
SUPERVISION,INSP&OVERHEAD-FED(1.37%) NON ADD				(23)
TOTAL REQUEST.................................				1,670
EQUIP PROVIDED FROM OTHER FED APPR....NON ADD				(25)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Is a specially designed armory facility of permanent masonry type construction, brick and concrete block units with built-up roof and concrete floors. A 1-story structure with mechanical and electrical equipment, supporting facilities include rigid and flexible paving, fencing, fuel dispensing system and concrete wash platform with oil separator.

Air Conditioning - None

11. REQUIREMENT: 27,517 SF ADEQUATE: 0 SF SUBSTANDARD: 64,814 SF

PROJECT: A new facility is requested to serve the peacetime mission of these units. The space will permit all personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives.

REQUIREMENT: This facility is required to house Company C, 2/174th Infantry and Support Company, 1/108th Infantry consisting of 279 personnel. This armory will provide the necessary administrative, indoor training and to accomplish the assigned readiness objectives. A twelve acre state licensed site is available for this project.

CURRENT SITUATION: The Support Company, 1/108th Infantry is currently located at the Auburn, New York armory which was constructed in 1959 as a one unit facility. Company C (-), 2/174th Infantry is currently located in Geneva, New York in an armory built in 1892, the Detachment is located in Hornell, New York. All of these facilities are overcrowded and lack adequate space to provide areas to train and store unit equipment, arms and motor vehicles. All facilities, with the relocation of these units, will become adequate for use by the other unit remaining there. The consolidation of Company 2, 2/174th Infantry is required to enhance training, recruiting and retention.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION DRYDEN, NEW YORK		
4 PROJECT TITLE 200 PERSON ARMORY		5 PROJECT NUMBER 688

IMPACT IF NOT PROVIDED: The current facility deficiencies will continue to negatively impact on troop morale, recruiting and retention. The lack of proper and adequate training, storage and administrative areas will continue to impair the attainment of required mobilization readiness levels.

1 COMPONENT ARNG	FY 19⁸⁷ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION DRYDEN, NEW YORK		
4 PROJECT TITLE 200-PERSON ARMORY		5 PROJECT NUMBER 688

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 9/85
(b) Percent Complete as of January 1986........... 35%
(c) Percent Complete as of October 1986........... 100%
(d) Date Design Complete.......................... 5/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........(0)
(b) All Other Design Costs........................(0)
(c) Total...(69)
(d) Contract......................................(69)
(e) In-house......................................(0)

(4) Construction Start.......................... 3/87
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15
JSIIDS	BP 2035	FY 87	10

1. COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
14 FEB [illegible]

3. INSTALLATION AND LOCATION
FORT BRAGG, NORTH CAROLINA

4. AREA CONSTR COST INDEX
0.76

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED FIVE DAYS PER WEEK FOR DAY-TO-DAY ADMINISTRATIVE REQUIREMENTS. FACILITY IS USED FOR TRAINING 50 WEEKENDS PER YEAR. THIS SITE IS ALSO USED DURING ANNUAL TRAINING BY GUARD AND RESERVE TROOPS TO FAMILIARIZE THEMSELVES AND BECOME PROFICIENT IN THE MAINTENANCE AND REPAIR OF THE ARMY'S CURRENT VEHICLES AND EQUIPMENT. THIS SITE IS APPROVED AS A 1200 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARMY: (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	REGIONAL MAINTENANCE TRAINING SITE (RMTS)	22,822 SF	1,211	8/85	8/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

24 OCT 85
(Date)

9. LAND ACQUISITION REQUIRED
NONE
0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
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PAGE NO

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION
PORT BRAGG, NORTH CAROLINA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	16	1	15	0	N/A		
ACTUAL	0	0	0	0	N/A		

12. RESERVE UNIT DATA STUDENTS TO BE DETAILED FROM THE FOLLOWING UNITS

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
696TH MAINTENANCE COMPANY UIC WQPKAA TPSN 31125	123	132
732D MAINTENANCE COMPANY UIC WVA8AA TPSN 31125	123	148
694TH MAINTENANCE COMPANY UIC: WQY7AA TPSN: 31165	190	212
691ST MAINTENANCE COMPANY UIC WQY6AA TPSN 31133	242	234

(CONTINUED)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
M1 TURRET TRAINER	1	
M60A3 PANEL TRAINER	1	
M1 PANEL TRAINERS	5	
M2/3 TURRET TRAINER	1	N/A
M2/3 PANEL TRAINERS	4	
PIST V MAINTENANCE TRAINER	1	
IMPROVED TOW VEHICLE TRAINER	1	
ARTILLERY TURRET TRAINER	1	

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION FORT BRAGG, NORTH CAROLINA		
4 PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)		5 PROJECT NUMBER 810

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
731ST MAINTENANCE COMPANY UIC: WVA8AA TPSN: 31133	242	223
3649TH MAINTENANCE COMPANY UIC: WQC6AA TPSN: 31125	123	129
3648TH MAINTENANCE COMPANY UIC: WVBXAA TPSN: 31125	123	135
742D MAINTENANCE COMPANY UIC: WTDNAA TPSN: 31165	190	211
175TH MAINTENANCE COMPANY UIC: WTLRAA TPSN: 31140	198	195
771ST MAINTENANCE COMPANY UIC: WTR9AA TPSN: 31134	230	256
776TH MAINTENANCE COMPANY UIC: WVAFAA TPSN: 31134	247	263

IN ADDITION TO THE UNITS INDICATED ABOVE, OTHER ARNG AND USAR UNITS IN NORTH CAROLINA AND SURROUNDING STATES, WHICH HAVE MAINTENANCE ELEMENTS WILL HAVE ACCESS TO THE PROPOSED FACILITY FOR MAINTENANCE TRAINING.

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION FORT BRAGG, NORTH CAROLINA	4. PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	171	810	1,211

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				907
REGIONAL MAINTENANCE TRAINING SITE	SF	22,394	40.00	(896)
FLAMMABLE MATERIALS BUILDING	SF	428	25.00	(11)
SUPPORTING FACILITIES				246
PAVING (RIGID)	SY	2,433	28.00	(68)
PAVING (FLEXIBLE)	SY	2,906	10.75	(31)
MILITARY PARKING (HARDSTAND)	SY	1,125	6.00	(7)
SIDEWALK	SF	1,000	2.00	(2)
FENCING	LF	743	10.00	(7)
SITE PREP, GRADING, SEEDING & PLANTING	LS	-	-	(47)
UTILITIES: WATER, SEWER, GAS, ELEC, TELEC	LS	-	-	(50)
WASH PLATFORM	LS			(12)
WASTE OIL TANK	LS	-	-	(2)
25 TON TRAVELING CRANE	LS	-	-	(20)
SUBTOTAL				1,153
CONTINGENCY (5%)				58
SUPERVISION, INSP&OVERHEAD-FED (1.42%)..NON ADD				(17)
TOTAL REQUEST				1,211
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(189)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Consists of a maintenance training facility with ten work bays, classroom, training device lab, library/learning center, latrines and administrative areas. The construction will be masonry with a built-roof and concrete floor. Supporting facilities include a wash platform, military vehicle storage compound and necessary utilities.

Air Conditioning - 15 tons

11. REQUIREMENT: 22,822 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: This project is requested to provide 22,822 SF of required space to permit training maintenance personnel of all Reserve Components in this region.

REQUIREMENT: This concept of establishing Regional Maintenance Training Sites supports the Headquarters, Department of the Army Management Action Plan. This facility will provide a site to conduct both weekday and weekend training programs on a year round basis. The training, storage and administrative space provided is the minimum essential area needed to effectively train and accomplish current combat readiness objectives.

CURRENT SITUATION: Currently there are no existing facilities that can be utilized to conduct the level of training and instruction needed to maintain a high level of proficiency for the military specialities found in maintenance units.

IMPACT IF NOT PROVIDED: The desired level of training will not be obtained due to the non-availability of training devices, equipment and facilities at unit locations.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

FORT BRAGG, NORTH CAROLINA

4 PROJECT TITLE REGIONAL MAINTENANCE TRAINING SITE (RMTS)	5 PROJECT NUMBER 810

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/85
(b) Percent Complete as of January 1986............. 50%
(c) Percent Complete as of October 1986............. 100%
(d) Date Design Complete.............................. 8/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs.............................. (0)
(c) Total.. (52)
(d) Contract.. (52)
(e) In-house.. (0)

(4) Construction Start.................................. 4/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
M1x1100-3B TRANSMISSION TROUBLE SHOOTING TRAINER, DEVICE 17-68/6	GB 1300	FY 87	57
M1 TURRET MAINTENANCE TROUBLE SHOOTING TRAINER, DEVICE 17-68/1	GB 1300	FY 87	66
M1 TURRET ELECTRICAL/ HYDRAULIC TROUBLE SHOOTING TRAINER, DEVICE 17-68/2	GB 1300	FY 87	66

1 COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION MORRISVILLE, NORTH CAROLINA		4 AREA CONSTR COST INDEX .76

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK AND TWO 2-DAY TRAINING ASSEMPLIES PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	RALEIGH	(6 MILES)	600-PERSON ARMORY	45,666 SF	1964
	DURHAM	(15 MILES)	300-PERSON ARMORY	24,161 SF	1959
	YOUNGSVILLE	(35 MILES)	60-PERSON ARMORY	11,692 SF	1974

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	400-PERSON ARMORY	61,446 SF	2,061	4/84	12/84
922	ARMY AVIATION SUPPORT FACILITY (AASF)	52,840 SF	3,698	8/84	4/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

21 FEB 85

9 LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

MORRISVILLE, NORTH CAROLINA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	42	12	33	1	575	N/A	N/A
ACTUAL	39	4	32	1	637	N/A	N/A

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS AND SERVICE COMPANY, 30TH AVIATION BATTALION UIC WV96T0 TPSN N/A	178	
COMPANY A, 30TH AVIATION BATTALION UIC WV96A0 TPSN N/A	35	293 1/
COMPANY B, 30TH AVIATION BATTALION UIC WV96B0 TPSN N/A	35	
COMPANY C, 30TH AVIATION BATTALION UIC WV96C0 TPSN N/A	35	

1/ ACTUAL STRENGTH IS FOR COMPANY D, 28TH AVIATION BATTALION WHICH WILL BE REORGANIZED ON 1 OCT 86 TO FORM THE 30TH AVIATION BATTALION.

(CONTINUED)

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	17	17
TRAILERS	13	13
AIRCRAFT	34	34

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION MORRISVILLE, NORTH CAROLINA		
4 PROJECT TITLE 400 PERSON ARMORY & ARMY AVIATION SUPPORT FACILITY		5 PROJECT NUMBER 801

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	 ACTUAL
DETACHMENT 1, 1204TH TRANSPORTATION COMPANY UIC: WXDYT1 TPSN: N/A	93	115
SELECTIVE SERVICE SECTION UIC: WTF7AA TPSN: 46751	8	8
130TH FINANCE SECTION UIC WVARAA TPSN: 31189	55	59
139TH SUPPORT CENTER UIC: WVARAA TPSN: 31189	81	95
105TH MEDICAL DETACHMENT UIC: WVASAA TPSN: 32858	10	17
440TH ARMY BAND UIC:WVATAA TPSN: 50420	45	50

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION MORRISVILLE, NORTH CAROLINA	4. PROJECT TITLE 400-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 801	8. PROJECT COST ($000) 2,061

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,456
ARMORY BUILDING	SF	61,308	40.00	(2,453)
FLAMMABLE MATERIALS BUILDING	SF	138	20.00	(3)
SUPPORTING FACILITIES				187
SITE PREPARATION (100% STATE)	LS	-	-	(25)
FINE GRADING, SEEDING & PLANTING	LS	-	-	(2)
FENCING	LF	547	12.00	(7)
WASH PLATFORM & FUEL DISPENSING	LS	-	-	(1)
PAVING: FLEXIBLE	SY	12,846	10.50	(135)
UTILITIES	LS	-	-	(11)
SIDEWALK & FLAGPOLE	LS	-	-	(6)
SUBTOTAL				2,643
CONTINGENCY (5%)				132
FEDERAL SHARE				2,061
STATE SHARE ... NON ADD				(714)
SUPERVISION, INSP&OVERHEAD-FED (1.40%) .. NON ADD				(37)
TOTAL REQUEST				2,061
EQUIP PROVIDED FROM OTHER FED APPR ... NON ADD				(47)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Is a specifically designed armory facility of permanent masonry type construction with builtup roof, concrete floors, vehicle wash rack, military vehicle parking, private vehicle parking, access road and utilities. A one-story structure with mechanical and electrical equipment. Supporting facilities include a military vehicle storage compound, wash platform, off-street parking, sidewalks and access roads.

Air Conditioning - 40 tons

11. REQUIREMENT: 61,446 SF ADEQUATE: 0 SF SUBSTANDARD: 20,926 SF

PROJECT: New facilities will allow these units to perform their mobilization mission. The expansion of the Raleigh-Durham Airport facilities will require the relocation of the armory and the Army Aviation Support Facility. Notice of this change of location of facilities has been sent to the Federal Aviation Administration Regional Office (Atlanta) by the Raleigh-Durham Airport Authority on 28 March 1984.

REQUIREMENT: This facility is required to house an Attack Helicopter Squadron; 139th Support Center (Rear Area Operation); 130th Finance Section; Detachment 1, 1204th Aviation Intermediate Maintenance Company; Selective Service Section; North Carolina State Area Command; and the 440th Army Band. This armory will provide the necessary administration, indoor training areas and equipment storage space to accomplish assigned readiness objectives.

CURRENT SITUATION: The present armory consists of 20,926 SF and was constructed in 1963. The building was expanded in 1967 for joint use as an Army Aviation Support Facility. The building is too small and is not suited for modern training techniques. Airport expansion will cause the armory to have to move to a new location. It is imperative that new facilities be constructed.

1 COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION
MORRISVILLE, NORTH CAROLINA

4 PROJECT TITLE 400-PERSON ARMORY	5 PROJECT NUMBER 801

IMPACT IF NOT PROVIDED: The assigned units will be required to use a facility with deficiencies in the areas of supply, training, classroom space, food preparation, adminstration, locker rooms and latrine space. The overcrowded conditions will continue to have an adverse effect on troop morale, affecting recruiting and retention and hampering unit progress in attaining its assigned missions.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

MORRISVILLE, NORTH CAROLINA

4 PROJECT TITLE 400-PERSON ARMORY	5 PROJECT NUMBER 801

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 12/84

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (87)
(d) Contract... (87)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
JSIIDS	BP 2035	FY 87	41
KITCHEN EQUIPMENT	BP 3723	FY 87	6

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION MORRISVILLE, NORTH CAROLINA	4. PROJECT TITLE ARMY AVIATION SUPPORT FACILITY (AASF)

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 211	7. PROJECT NUMBER 922	8. PROJECT COST ($000) 3,698

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,073
ARMY AVIATION SUPPORT FACILITY	SF	50,766	40.00	(2,031)
FLAMMABLE MATERIALS BUILDING	SF	440	20.00	(9)
CRASH/RESCUE VEHICLE BUILDING	SF	726	20.00	(15)
GROUND SUPPORT EQUIPMENT BUILDING	SF	908	20.00	(18)
SUPPORTING FACILITIES				1,449
SITE PREPARATION	AC	20	5,000	(100)
ACCESS ROAD	SY	1,200	10.50	(13)
PAVING (FLEXIBLE)	SY	100,082	9.90	(991)
PAVING (RIGID)	SF	37,060	2.60	(96)
UTILITIES & TAXIWAY/APRON LIGHTING	LS	-	-	(131)
FUEL DISPENSING & STORAGE SYSTEM	LS	-	-	(27)
FINE GRADING, SEEDING & PLANTING	AC	10	2,600	(26)
FENCING	LF	3,140	12.00	(38)
SIDEWALK & FLAGPOLE	LS	-	-	(5)
WASH PLATFORM	LS	-	-	(22)
SUBTOTAL				3,522
CONTINGENCY (5%)				176
SUPERVISION, INSP&OVERHEAD-FED (1.37%)..NON ADD				(51)
TOTAL REQUEST				3,698
EQUIP PROVIDED FROM OTHER APPR..........NON ADD				(10)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:

A specially designed facility of permanent masonry and steel construction. This project includes a hanger, administrative and training areas, allied shop and storage areas, ramps, taxiways, tie down pads, wash platform, fuel storage and dispensing system, utilities, employee parking, ground support equipment building, crash rescue vehicle building and all other authorized items to make this facility complete and usable for its designed purpose.

Air Conditioning - 15 tons

11. REQUIREMENT: 52,840 SF ADEQUATE: 0 SF SUBSTANDARD: 4,306 SF

PROJECT: A new Army Aviation Support Facility (AASF) is requested to provide the necessary facilities for the training of aviators and mechanics, and for the performance of maintenance on aircraft. The present facility cannot be adequately expanded or renovated. The new facility will move from the present site to a new location at the airport due to civil aviation expansion.

REQUIREMENT: This facility is urgently needed to provide maintenance and operational support for the aviation training required to meet the mobilization missions of the supported units. The facility will contain necessary space for maintenance, training, administration, and flight operations. A 35 acre State-owned site at the Raleigh-Durham Airport is available for this project.

CURRENT SITUATION: The present AASF is located in a portion of an armory which has been expanded to accommodate the AASF. The facility was not originally designed as an aviation facility, does not meet current space criteria, and results in a congested, inefficient operation. Adequate expansion/renovation is not possible. The facility will be demolished to make room for expansion of the Raleigh-Durham Airport.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION MORRISVILLE, NORTH CAROLINA		
4 PROJECT TITLE ARMY AVIATION SUPPORT FACILITY (AASF)		5 PROJECT NUMBER 922

IMPACT IF NOT PROVIDED: The State aviation program will continue to operate from the present inadequate facility. Aviation training will be severely and adversely affected, both for air and ground crews.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

MORRISVILLE, NORTH CAROLINA

4 PROJECT TITLE ARMY AVIATION SUPPORT FACILITY (AASF)	5 PROJECT NUMBER 922

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/84
(b) Percent Complete as of January 1986 .... 75%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 4/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (153)
(d) Contract... (153)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
JSIIDS	BP 2035	FY 87	10

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 4 FEB 1986
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA		4. AREA CONSTR COST INDEX 1.02

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH THREE TWO-DAY TRAINING ASSEMBLIES PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: MANDAN (7 MILES) ARMORY 32,049 SF, 1974
USAR: BISMARCK (6 MILES) USARC/OMS
USAF: BISMARCK (6 MILES) RADAR SCORING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	800 PERSON ARMORY	141,364 SF	5,295	8/85	7/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

7 JAN 86
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88 - USPFO WAREHOUSE	$ 796
FY 88 - OMS	$1,087
FY 88 - MVSB	$1,209

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
BISMARCK, NORTH DAKOTA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	37	8	22	7	955	179	776
ACTUAL	25	5	15	5	765	147	618

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, STATE AREA COMMAND UIC W8BQAA TPSN 46751	240	300
132 QUARTERMASTER COMPANY (WATER SUPPLY) UIC N/A TPSN N/A	141	0 1/
815 MEDICAL COMPANY (CLEARING) UIC N/A TPSN N/A	128	0 1/
816 ENGINEER COMPANY (-) UIC WP8PAA TPSN 31480	118	150
HEADQUARTERS 164 ENGINEER GROUP UIC WPOWAA TPSN 31321	111	157
131 QUARTERMASTER DETACHMENT (WATER PURIFICATION) UIC WV8ZAA TPSN N/A	60	0 2/

CONTINUED ON NEXT PAGE

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	286	172
TRAILERS	129	57
TRACKED VEHICLES	12	10

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

BISMARCK, NORTH DAKOTA

4 PROJECT TITLE

800 PERSON ARMORY

5 PROJECT NUMBER

456

12. RESERVE UNIT DATA (CONTINUED)

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS DETACHMENT 818 MEDICAL BATTALION UIC WVOPAA TPSN 32708	38	51
HEADQUARTERS, HEADQUARTERS DETACHMENT 231 ENGINEER BATTALION UIC WP1RAA TPSN 31370	35	52
133 QUARTERMASTER TEAM UIC N/A TPSN N/A	20	0 2/
454 QUARTERMASTER TEAM UIC N/A TPSN N/A	20	0 2/
116 PUBLIC AFFAIRS DETACHMENT UIC WQEPAA TPSN 34253	13	15
842 MEDICAL DETACHMENT UIC WVRLAA TPSN 32854	10	12
893 MEDICAL DETACHMENT UIC WVL6AA TPSN 32858	10	15
817 MEDICAL DETACHMENT UIC WVHQAA TPSN 32720	6	11
NORTH DAKOTA HEALTH SERVICE LIAISON DETACHMENT UIC WQUL9E TPSN N/A	5	2
TOTALS	955	765

1/ NEW UNITS TO BE ACTIVATED SEP 1987. ACTUAL VS AUTHORIZED STRENGTHS WILL BE AT 75% PRIOR TO CONSTRUCTION OF FACILITY.

2/ NEW UNITS TO BE ACTIVATED SEP 1986. ACTUAL VS AUTHORIZED STRENGTHS WILL BE AT 75% PRIOR TO CONSTRUCTION OF FACILITY.

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA	4. PROJECT TITLE 800-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 456	8. PROJECT COST ($000) 5,295

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY............................				6,230
ARMORY BUILDING...........................	SF	137,531	44.60	(6,134)
UNHEATED METAL STORAGE BUILDING.............	SF	3,833	25.00	(96)
SUPPORTING FACILITIES........................				578
SITE PREPARATION (100% STATE)...............	LS	-	-	(150)
FINE GRADING & SEEDING......................	AC	9	5,000	(45)
PLANTING..................................	LS	-	-	(37)
PAVING: FLEXIBLE...........................	SY	27,597	8.88	(245)
UTILITIES.................................	LS	-	-	(55)
SIDEWALKS/HELIPAD..........................	LS	-	-	(32)
FENCING...................................	LS	-	-	(14)
SUBTOTAL....................................				6,808
CONTINGENCY (5%)............................				340
FEDERAL SHARE..............................				5,295
STATE SHARE.......................NON ADD				(1,853)
SUPERVISION,INSP&OVERHEAD-FED(1.37%) NON ADD				(73)
TOTAL REQUEST...............................				5,295
EQUIP PROVIDED FROM OTHER FED APPR...NON ADD				(105)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Is a specially designed armory facility of permanent masonry type construction, precast/stressed insulated concrete panels or brick and concrete block exterior walls, concrete block interior walls, single membrane roof and concrete floors. A 2-story structure with all necessary mechanical and electrical equipment and required outside supporting facilities.
Air Conditioning - 100 tons

11. REQUIREMENT: 141,364 SF ADEQUATE: 0 SF SUBSTANDARD: 36,310 SF

PROJECT: A new facility is requested to serve the peacetime mission of these units. The space will permit all assigned personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives. The existing armory is located in an area that will not permit expansion.

REQUIREMENT: This facility is required to house the assigned units consisting of 955 authorized personnel. This armory will provide the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish the assigned readiness objectives. Site is state owned and located adjacent to the State Headquarters.

CURRENT SITUATION: The present armory consists of 36,310 SF constructed in 1962. With the additional training requirements and the activation of an additional battalion and subsequent State reorganization. The existing areas and total space required fall far short of the amount necessary to conduct the mission. The existing armory is State owned and will be disposed of, after the new facility is occupied, in accordance with State laws.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

BISMARCK, NORTH DAKOTA

4 PROJECT TITLE 800-PERSON ARMORY	5 PROJECT NUMBER 456

IMPACT IF NOT PROVIDED: Assigned units will be required to use the overcrowded facility with a deficiency of 105,054 SF in supply and training areas. The overcrowded conditions will continue to have an adverse effect on troop morale, affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA		
4 PROJECT TITLE 800 PERSON ARMORY		5 PROJECT NUMBER 456

12. **SUPPLEMENTAL DATA:**

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................... 8/85
(b) Percent Complete as of January 1986............ 50%
(c) Percent Complete as of October 1986............ 100%
(d) Date Design Complete.......................... 7/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... (0)
(b) All Other Design Costs.......................... (0)
(c) Total.. (218)
(d) Contract.. (218)
(e) In-house... (0)

(4) Construction Start.................................. 3/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TELEPHONE EQUIPMENT	BP 3727	FY 87	15
KITCHEN EQUIPMENT	BP 3723	FY 87	55
JSIIDS	BP 2035	FY 87	35

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

ASHLAND, OREGON

4. AREA CONSTR COST INDEX

1.05

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO DAY TRAINING ASSEMBLY PER MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: MEDFORD (16 MILES) 400 PERSON ARMORY, 30,400 SF 1957
USAR: MEDFORD (17 MILES)
USNR: MEDFORD (17 MILES)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	100 PERSON ARMORY	24,231 SF	1,048	3/79	12/80

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

24 JUL 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

ASHLAND, OREGON

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	7	2	4	1	137	16	121
ACTUAL	7	2	4	1	118	14	104

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY, 1ST BATTALION, 186TH INFANTRY	137	118

UIC WPRPTO
TPSN 0300741

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	29	29
TRAILERS	18	18

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION ASHLAND, OREGON	4. PROJECT TITLE 100-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 208	8. PROJECT COST ($000) 1,048

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				
ARMORY BUILDING	SF	24,231	49.91	1,209
SUPPORTING FACILITIES				170
SITE PREPARATION (100% STATE)	LS	-	-	(12)
FINE GRADING, SEEDING AND PLANTING	LS	-	-	(14)
FENCING	LF	610	10.00	(6)
PARKING: MILITARY, OFF-STREET & ACCESS	SY	10,780	10.00	(108)
UTILITIES: WATER, WELL, SEPTIC, TELECOM	LS	-	-	(13)
SIDEWALK, WASH PLATFORM & FLAGPOLE	LS	-	-	(17)
SUBTOTAL				1,379
CONTINGENCY (5%)				69
FEDERAL SHARE				1,048
STATE SHARE....NON ADD				(400)
SUPERVISION,INSP&OVERHEAD-FED(1. 30%)....NON ADD				(13)
TOTAL REQUEST				1,048
EQUIP PROVIDED FROM OTHER FED APPR.......NON ADD				(14)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed facility of concrete tilt slab construction, with built up roof and concrete floors. A one story structure with mechanical and electrical equipment.
Air Conditioning - 16 tons

11. REQUIREMENT: 24,231 SF ADEQUATE: 0 SF SUBSTANDARD: 24,536 SF

PROJECT: A new facility is requested to serve the peace time mission of this unit. The space will permit the Headquarters, Headquarters Company 1st Battalion 186th Infantry to perform the necessary tasks that will improve their readiness posture for support in combat objectives. The existing armory cannot be expanded.

REQUIREMENT: This facility is required to house Headquarters, Headquarters Company 1st Battalion 186th Infantry, consisting of 137 persons. This armory will provide the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish the assigned readiness objectives.

CURRENT SITUATION: The present armory consists of 24,536 sf and was constructed in 1910. With the additional training/supply requirements and preparation of food for personnel, the existing areas and total space does not permit expansion or economical modernization. The existing armory is State owned and will be disposed of after the new facility has been occupied in accordance with State laws.

IMPACT IF NOT PROVIDED: The existing structure will have to be remodeled to meet State/Federal Building Codes & Standards and this would not be cost effective.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION ASHLAND, OREGON		
4 PROJECT TITLE 100-PERSON ARMORY		5 PROJECT NUMBER 208

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 3/79
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.............................12/80

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (25)
(d) Contract... (25)
(e) In-house... (0)

(4) Construction Start................................ 3/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
JSIIDS	BP 2035	FY 87	6
KITCHEN EQUIPMENT	BP 3723	FY 87	8

1. COMPONENT ARNG	FY 19_7 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 19[illegible]
3. INSTALLATION AND LOCATION CAMP WITHYCOMBE (CLACKAMAS), OREGON		4. AREA CONSTR COST INDEX 1.05

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY TO BE USED A MINIMUM OF FIVE DAYS PER WEEK FOR DAY-TO-DAY MAINTENANCE OF ASSIGNED EQUIPMENT AND FOR A TWO DAY WEEKEND TRAINING ASSEMBLY ONCE A MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: CAMP WITHCOMBE (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
217	COMMUNICATIONS/ELECTRONIC, CANVAS & CARPENTRY SHOP	14,456 SF	663	3/85	10/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

24 JULY 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 90 TRAINING FACILITIES $ 600

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 4 FEB 1986

3. INSTALLATION AND LOCATION

CAMP WITHYCOMBE (CLACKAMAS), OREGON

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				7,510	687	6,823
ACTUAL	N/A				7,431	618	6,813

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
OREGON ARMY NATIONAL GUARD TROOPS	7,510	7,431

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	1,530	1,453
TRACKED VEHICLES	123	119
TRAILERS	979	734

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO 164

1. COMPONENT		2. DATE
ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	14 FEB 1986

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
CAMP WITHYCOMBE (CLACKAMAS), OREGON	COMMUNICATION/ELECTRONIC CANVAS AND CARPENTRY SHOP

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	214	464	663

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY...............................				610
ELECTRONIC/MAINT, CANVAS & CARPENTRY SHOP...	SF	12,846	45.00	(578)
ALTERATION OF EXISTING FACILITY............	SF	1,610	20.00	(32)
SUPPORTING FACILITIES........................				21
GRADING & DRAINAGE........................	LS	-	-	(3)
UTILITIES..................................	LS	-	-	(8)
SOIL STABILIZATION & DRAINAGE.............	LS	-	-	(1)
EMPLOYEE VEHICLE PARKING..................	LS	-	-	(6)
ACCESS ROAD................................	LS	-	-	(2)
SIDEWALKS..................................	LS	-	-	(1)
SUBTOTAL.......................................				631
CONTINGENCY (5%)..............................				32
SUPERVISION, INSP&OVERHEAD-FED (1.52%)..NON ADD				(10)
TOTAL REQUEST.................................				663
EQUIPMENT PROVIDED FROM OTHER FED APPR..NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project consists of a new concrete structure to house all of the communication/electronic, calibration, missile repair, canvas repair and carpentry functions of the Combined Support Maintenance Shop. In addition to these areas, administrative, supply, break/locker space and latrines will be included in the new structure. The present area will be remodeled to provide authorized and adequate space for office, break area, locker rooms and latrines. Environmental controls will be installed in the new structure and in the instrument repair area of the old building. The roof structure will be a single ply membrane pitched roof.

Air Conditioning - None

11. REQUIREMENT: 35,650 SF ADEQUATE: 21,194 SF SUBSTANDARD: 1,610 SF

PROJECT: Construct a new maintenance shop to provide additional and adequate work/maintenance and storage space for the Combined Support Maintenance Shop. Areas will include an electronic/communication room, calibration area, missile repair shop, canvas repair and carpentry shop/lumber storage facility. Space vacated in the existing building will be remodeled to provide the required office, locker, break and latrine areas and add environmental controls for the optical instrument repair area.

REQUIREMENT: An addition of 12,846 SF is required to permit adequate maintenance on electronic, communication, calibration, missile repair equipment for the Combined Support Maintenance Shop. Modification of existing area in the old building will allow the development of non-existing break and locker rooms as well as authorized/required office space.

CURRENT SITUATION: The existing shop contains 22,804 SF. Buildings A and C were built in the 1930s and Building B was constructed in 1956. The existing building was built to the criteria of the time, but no longer meets the space

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE

3 INSTALLATION AND LOCATION
CAMP WITHYCOMBE (CLACKAMAS), OREGON

4 PROJECT TITLE COMMUNICATION/ELECTRONIC CANVAS/CARPENTER SHOP	5 PROJECT NUMBER 464

CURRENT SITUATION: (Continued)
criteria nor the technical requirements. There were no space requirements fo break rooms, locker rooms and/or latrines (male and female). Personnel and equipment increases have made the present facility inadequate for the require mission. The existing space will be altered to provide a locker room, break room, enlarged latrine and additional office and administrative area.

IMPACT IF NOT PROVIDED: The quality of work will decrease due to deficient work and storage area to perform administrative and maintenance duties.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1985

3 INSTALLATION AND LOCATION

CAMP WITHYCOMBE (CLACKAMAS), OREGON

4 PROJECT TITLE

COMMUNICATION/ELECTRONIC CANVAS AND CARPENTER SHOP

5 PROJECT NUMBER

464

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................... 3/85
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.....................................10/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs.................................... (30)
(c) Total.. (30)
(d) Contract... (0)
(e) In-house... (0)

(4) Construction Start.. 3/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1 COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION

2 DATE
14 FEB 1986

3 INSTALLATION AND LOCATION
EUGENE, OREGON

4 AREA CONSTR COST INDEX
1.05

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: COTTAGE GROVE (20 MILES) 300-PERSON ARMORY 21,600 SF 1931
LEBANON (45 MILES) 100-PERSON ARMORY 13,824 SF 1950
AFRC: (3 MILES)

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ ALTERATION	11,904 SF	503	8/85	9/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.
24 JUL 85

9 LAND ACQUISITION REQUIRED
NONE
0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION

EUGENE, OREGON

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	19	0	18	1	454	25	429
ACTUAL	16	0	15	1	465	15	450

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
COMPANY A, 2D BATTALION 162TH INFANTRY UIC WPRMAO TPSN 0300741	160	148
COMPANY B, 2D BATTALION 162TH INFANTRY UIC WPRMBO TPSN 0300741	147	177
COMPANY C, 2D BATTALION 162 INFANTRY UIC WPRMCO TPSN 0300741	147	140
	454	465

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	27	27
TRAILERS	15	15

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE [illegible]

3. INSTALLATION AND LOCATION EUGENE, OREGON	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 543	8. PROJECT COST ($000) 503

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY.............................				521
ADDITION.....................................	SF	11,904	40.00	(476)
ALTERATION...................................	LS	-	-	(3)
RIFLE RANGE UPGRADE..........................	LS	-	-	(42)
SUPPORTING FACILITIES........................				113
SITE PREPARATION (100% STATE)................	LS	-	-	(9)
FINE GRADING, SEEDING & PLANTING.............	LS	-	-	(12)
UTILITIES: WATER, SEWER, GAS.................	LF	600	18.00	(11)
OFF STREET PARKING...........................	SY	10,675	7.50	(80)
SIDEWALK.....................................	LS	-	-	(1)
SUBTOTAL.....................................				634
CONTINGENCY (5%).............................				32
FEDERAL SHARE................................				503
STATE SHARE..........................NON ADD				(163)
SUPERVISION, INSP&OVERHEAD-FED (1.52%).NON ADD				(8)
TOTAL REQUEST................................				503
EQUIP PROVIDED FROM OTHER FED APPR.....NON ADD				(10)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed armory facility addition of permanent masonry/concrete type construction, concrete tilt slab with built-up roof and concrete floors. A one-story structure with mechanical and electrical equipment. Outside supporting facilities to include off-street parking and sidewalks.

Air Conditioning - None

11. REQUIREMENT: 37,078 SF ADEQUATE: 25,174 SF SUBSTANDARD: 0 SF

PROJECT: An addition to the existing concrete armory is requested to serve the peace time mission of these units. The additional space will permit all Infantry personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives.

REQUIREMENT: This facility is required to house three Infantry companies: Company A, 2/162 Infantry; Company B, 2/162 Infantry; and Company C, 2/162 Infantry consisting of 480 personnel. This armory addition will provide the necessary administrative indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish the assigned readiness objectives. No additional real estate will be required for the construction.

CURRENT SITUATION: The existing armory consists of 25,174 SF and was constructed in 1973. The addition of one Infantry Company to this structure made it inadequate for arms storage, supply room, locker room and classroom. The existing building may be expanded efficiently and effectively. The present indoor rifle range does not meet Occupational Safety and Health Administration requirements for safety. The range does not have adequate ventilation, overhead protection, bullet trap and target retrieval system.

1 COMPONENT ARNG	FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1985

3 INSTALLATION AND LOCATION

EUGENE, OREGON

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 543

IMPACT IF NOT PROVIDED: Assigned units will be required to use the overcrowded facility with a deficiency of 11,904 SF in supply, locker and training areas. The overcrowded conditions will continue to have an adverse effect on troop morale, affecting the retention and recruiting of personnel. The use of the indoor rifle range will have to be discontinued if it cannot be brought up to required safety standards.

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION EUGENE, OREGON		
4 PROJECT TITLE ARMORY ADDITION/ALTERATION		5 PROJECT NUMBER 543

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/85
(b) Percent Complete as of January 1986 .... 45%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 9/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (23)
(d) Contract... (23)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
TELEPHONE EQUIPMENT	BP 3727	FY 87	9
JSIIDS	BP 2035	FY 87	1

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION WILLIAMSTOWN, PENNSYLVANIA		4. AREA CONSTR COST INDEX 1.00

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	PINE GROVE	(20 MILES)	60 PERSON ARMORY	7,613 SF	1908
	POTTSVILLE	(25 MILES)	60 PERSON ARMORY	14,870 SF	1913
	ANNEVILLE	(25 MILES)	60 PERSON ARMORY	1,980 SF	1941

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ATERATION	15,098 SF	533	7/84	5/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

27 JUN 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

0
(Number of Acres)

NONE

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
WILLIAMSTOWN, PENNSYLVANIA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1			1	123	4	119
ACTUAL	1			1	135	5	130

12 RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
131ST TRANSPORTATION COMPANY (-DETACHMENT 1) UIC: WQHYAA TPSN: 35690	123	135

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	47	47
TRAILERS	36	36

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION WILLIAMSTOWN, PENNSYLVANIA	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 600	8. PROJECT COST ($000) 533

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				639
ADDITION..................................	SF	7,361	64.70	(476)
ALTERATION................................	SF	7,737	21.00	(163)
SUPPORTING FACILITIES...........................				43
SITE PREPARATION (100% STATE)................	LS	-	-	(5)
FINE GRADING, SEEDING & PLANTING.............	LS	-	-	(6)
WASH PLATFORM................................	LS	-	-	(7)
FUEL DISPENSING SYSTEM.......................	LS	-	-	(20)
ACCESS ROAD..................................	SY	350	15.00	(5)
SUBTOTAL..				682
CONTINGENCY (5%)................................				34
FEDERAL SHARE................................				533
STATE SHARE............................NON ADD				(183)
SUPERVISION, INSP&OVERHEAD-FED (1.52%)..NON ADD				(8)
TOTAL REQUEST...................................				533
EQUIP PROVIDED FROM OTHER APPR..........NON ADD				(10)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A one-story addition to the present building. Permanent masonry type construction, brick and concrete block units, with a built-up roof and concrete floors. Supporting facilities included in project are a fuel dispensing system and military vehicle wash platform.

Air Conditioning - 6 tons

11. REQUIREMENT: 18,830 SF ADEQUATE: 3,732 SF SUBSTANDARD: 7,737 SF

PROJECT: This addition is required to provide an adequate facility to serve the peace time mission of this unit. The facility will provide the area to conduct unit operation and training, thereby improving the efficiency and proficiency of the unit.

REQUIREMENT: Completed facility will provide the required classroom space, learning center, library, sufficient locker room space, adequate kitchen area and additional office and supply room areas. The 6.2 acre site is State-owned.

CURRENT SITUATION: The existing armory consists of 6,943 SF existing gross area and has a motor vehicle storage building consisting of 4,526 SF. The buildings were constructed in 1951. Sufficient space is not available in the present facility for the conduct of unit training.

IMPACT IF NOT PROVIDED: The assigned unit will be required to continue to use the overcrowded facility. These overcrowded conditions will continue to have an adverse effect on troop morale, affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 19[illegible]

3 INSTALLATION AND LOCATION
WILLIAMSTOWN, PENNSYLVANIA

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 600

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 7/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................ 5/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs.......................... (0)
(c) Total.. (24)
(d) Contract... (24)
(e) In-house... (0)

(4) Construction Start................................ 7/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	4
RANGE EQUIPMENT	BP 3714	FY 87	6

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1985
3. INSTALLATION AND LOCATION WARWICK, RHODE ISLAND		4. AREA CONSTR COST INDEX 1.11

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK, WITH TWO (2) DAY TRAINING ASSEMBLIES HELD TWICE EACH MONTH AND ONE (1) DAY ASSEMBLIES FOUR TIMES EACH MONTH. TOTAL USAGE IS THREE HUNDRED AND EIGHT DAYS PER YEARS.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CRANSTON	(3 MILES)	60-PERSON	15,159 SF	1962
	PROVIDENCE	(6 MILES)	1000-PERSON	139,950 SF	1908
	PROVIDENCE	(10 MILES)	400-PERSON	78,406 SF	1925
	E,GREENWICH	(7 MILES)	60-PERSON	5,408 SF	1900
USAR:	CRANSTON	(3 MILES)		21,435 SF	1959
	WARWICK	(3 MILES)		22,700 SF	1959

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ALTERATION	48,509 SF	2,880	4/85	1/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

2 MAY 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ARNG		14 FEB [illegible]

3. INSTALLATION AND LOCATION
WARWICK, RHODE ISLAND

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	23	0	7	16	358	63	295
ACTUAL	23	0	7	16	333	56	277

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY, 43RD MILITARY POLICE (BRIGADE)	91	87
UIC WPQ7AA TPSN 33501		
119TH MILITARY POLICE COMPANY	158	139
UIC WTGWAA TPSN 33579		
HEADQUARTERS, HEADQUARTERS DETACHMENT 243RD MILITARY POLICE BATTALION	54	49
UIC WPP7AA TPSN 33507		

CONTINUED

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	73	61
TRAILERS	59	52

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 **COMPONENT** ARNG	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2 **DATE** 14 FEB 1986
3 **INSTALLATION AND LOCATION** WARWICK, RHODE ISLAND		
4 **PROJECT TITLE** ARMORY ADDITION/ALTERATION		5 **PROJECT NUMBER** 1013

12. RESERVE UNIT DATA (CONT'D)

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS DETACHMENT 243RD ENGINEER BATTALION UIC WTGXAA TPSN 31370	35	36
1043RD MEDICAL DETACHMENT UIC WTC6AA TPSN 32860	20	22
	358	333

1. COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION WARWICK, RHODE ISLAND	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	171	1013	2,880

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,477
ADDITION	SF	14,591	70.00	(1,021)
ALTERATION	SF	33,918	42.93	(1,456)
SUPPORTING FACILITIES				266
SITE PREPARATION	LS	-	-	(15)
GRADING, SEEDING & PLANTING	LS	-	-	(20)
ASPHALT PAVING: MILITARY & OFF-STREET ACCESS	SY	21,331	10.00	(213)
FENCING	LF	491	7.15	(4)
UTILITIES	LS	-	-	(5)
SIDEWALK	SF	1,300	2.00	(3)
FLAGPOLE & SIGN	LS	-	-	(2)
SECURITY LIGHTING	LS	-	-	(4)
SUBTOTAL				2,743
CONTINGENCY (5%)				137
FEDERAL SHARE				2,880
SUPERVISION, INSP&OVERHEAD-FED (1.37%)..NON ADD				(39)
TOTAL REQUEST				2,880
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(22)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project includes the upgrading of two existing steel and masonry buildings and construction of 14,591 SF of new space to provide an armory for five units. The additional space is necessary to insure that the facility meets the current criteria. It will also be necessary to upgrade and modify the existing facilities.

Air Conditioning - 51 tons

11. REQUIREMENT: 48,509 SF ADEQUATE: 0 SF SUBSTANDARD: 33,918 SF

PROJECT: This project can be divided into five major sub-projects. These are: additions to Building #1 and Building #3, upgrading of Building #1, upgrading of Building #3, the construction of new vaults and the exterior supporting items. The additional space totals 14,591 SF and will be of permanent steel and masonry construction and will conform to National Guard Bureau requirements and local codes. Exterior improvements include a parking area for military vehicles, a section of new access roads, security lights and security fencing.

REQUIREMENT: The items requested in this project are required to convert this facility from a three unit armory to a five unit armory. All requested items are authorized by National Guard regulations. The proposed layout has been arrived at after careful study of the existing buildings and the National Guard Bureau space criteria. The requested layout incorporates the requirement for unit integrity with the necessity to combine some functional areas for construction economy.

CURRENT SITUATION: Two of the units (Headquarters, Headquarters Company, 43d Military Police Brigade, and 119th Military Police Company) are now stationed at the Cranston Street Armory. The Cranston Street Armory is a turn of the

1 COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION WARWICK, RHODE ISLAND	
4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 1013

century armory that has outlived its usefulness and is located in an area that has negative impact on the mission of the National Guard. The armory is a four-story building that is a safety hazard and seriously deficient in the area of energy conservation. The location of the armory is in a part of the City of Providence, that experiences frequent unrest and a great deal of vandalism. This not only adversely affects the day-to-day attitudes of the personnel assigned to the armory, but also raises serious questions as to the ability of these units to perform their assigned missions. The three units: Headquarters, Headquarters Detachment, 243d Engineer Battalion; Headquarters, Headquarters Detachment, 243d Military Police Battalion; and 1043d Medical Detachment now stationed at the Warwick Armory must store their weapons at other locations. In order to eliminate this situation, new vaults for these units must be constructed. Additional storage space and general upgrading of the existing facility to current criteria is also required.
IMPACT IF NOT PROVIDED: The units assigned to the Cranston Street Armory will continue to use this inadequate facility. The conditions at this facility will continue to have an adverse affect on the units which reflects in the training, recruiting and retention of assigned personnel. The impact on the units now assigned to the Warwick Armory will be less severe but without the requested improvements, the existing facility will not be able to fully support the goals of the assigned units.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE [illegible] FEB 1986

3 INSTALLATION AND LOCATION

WARWICK, RHODE ISLAND

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 1013

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................. 4/85
(b) Percent Complete as of January 1986.............. 95%
(c) Percent Complete as of October 1986.............. 100%
(d) Date Design Complete.................................. 1/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs.............................. (0)
(c) Total.. (182)
(d) Contract... (182)
(e) In-house.. (0)

(4) Construction Start................................... 1/87 month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	12
JSIIDS	BP 2035	FY 87	10

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB [illegible]
3. INSTALLATION AND LOCATION HOHENWALD, TENNESSEE		4. AREA CONSTR COST INDEX .85

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CENTERVILLE	(31 MILES)	100 PERSON ARMORY	17,739 SF 1972
	WAYNESBORO	(20 MILES)	60 PERSON ARMORY	5,000 SF (leased)
	LAWRENCEBURG	(25 MILES)	100 PERSON ARMORY	17,101 SF 1976

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	60 PERSON ARMORY	20,252 SF	656	4/84	4/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

16 OCT 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0 -
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 4 FEB 1986

3. INSTALLATION AND LOCATION
HOHENWALD, TENNESSEE

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1			1	55	6	49
ACTUAL	1			1	64	5	59

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
DETACHMENT 1, COMPANY B, 473RD COMBAT SUPPORT BATTALION	55	64

UIC WYRWB1

TPSN 1203035

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	12	12
TRAILERS	3	3

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARNG		1 4 FEB 1986

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HOHENWALD, TENNESSEE	60-PERSON ARMORY

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	171	1243	656

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				768
ARMORY BUILDING	SF	20,142	38.00	(765)
FLAMMABLE MATERIALS BUILDING	SF	110	30.00	(3)
SUPPORTING FACILITIES				77
SITE PREPARATION (100% STATE)	LS	-	-	(10)
FINE GRADING & SEEDING	AC	3	1,333	(4)
PLANTING	LS	-	-	(8)
FENCING	LF	382	10.00	(4)
WASH PLATFORM	LS	-	-	(5)
MILITARY PARKING	SY	900	8.00	(7)
OFF-STREET PARKING (PAVING)	SY	1,540	8.00	(12)
UTILITIES:	LS	-	-	(12)
SIDEWALK & FLAGPOLE	LS	-	-	(5)
ACCESS ROAD	SY	1,200	8.00	(10)
SUBTOTAL				845
CONTINGENCY (5%)				42
FEDERAL SHARE				656
STATE SHARE ....NON ADD				(231)
SUPERVISION, INSP&OVERHEAD-FED (1.47%)..NON ADD				(10)
TOTAL REQUEST				656
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(29)

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
A specially designed facility of permanent masonry type construction, brick and concrete block units, with built-up roof and concrete floors. A one-story structure with mechanical and electrical equipment. Supporting facilities include military parking with wash platform and off-street parking for civilian vehicles.
Air Conditioning - 6 tons

11. REQUIREMENT: 20,252 SF ADEQUATE: 0 SF SUBSTANDARD: 4,552 SF

PROJECT: A new facility is requested to serve the peace time mission of this unit. The space will permit all personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives. The existing armory cannot be expanded.

REQUIREMENT: This facility is required to house Detachment 1, Company B, 473rd Support Battalion consisting of 55 personnel. This armory will provide the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency required in training and to accomplish the assigned readiness objectives. New 16 acre site is State-owned.

CURRENT SITUATION: The present armory consists of 4,552 SF and is leased from the local county. With the additional training requirements and preparation of food for personnel, the existing areas and total space does not permit expansion.

IMPACT IF NOT PROVIDED: Assigned unit will be required to use the overcrowded facility with a deficiency of 15,700 SF in supply and training areas. The overcrowded conditions will continue to have an adverse effect on troop morale affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION HOHENWALD, TENNESSEE		
4 PROJECT TITLE 60-PERSON ARMORY		5 PROJECT NUMBER 1243

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 4/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 4/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (29)
(d) Contract... (29)
(e) In-house... (0)

(4) Construction Start.................................. 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15
JSIIDS	BP 2035	FY 87	8
TELECOMMUNICATIONS	BP 3727	FY 87	6

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION MILAN ARSENAL (MILAN), TENNESSEE		4. AREA CONSTR COST INDEX 0.98

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY IS UTILIZED FOR WEEKEND TRAINING THROUGHOUT THE ENTIRE YEAR. THIS SITE IS ALSO USED FOR ANNUAL TRAINING BY TENNESSEE ARMY NATIONAL GUARD TROOPS AND OTHER GUARD AND RESERVE TROOPS IN SURROUNDING STATES. THE SITE IS APPROVED AS A 700 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: MILAN ARSENAL (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
721	TRAINING FACILITIES, PHASE III	84,200 SF	2,697	5/84	10/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

16 OCT 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 89	TRAINING FACILITIES, PHASE IV	$500

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible]

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
MILAN ARSENAL (MILAN), TENNESSEE

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				13,009	1,226	11,783
ACTUAL	N/A				14,103	1,298	12,805

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
TENNESSEE ARMY NATIONAL GUARD TROOPS	13,009	14,103

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MILAN ARSENAL (MILAN), TENNESSEE	TRAINING FACILITIES, PHASE III

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	721	1090	2,697

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				2,367
40-PERSON BARRACKS (15)	SF	50,325	32.00	(1,610)
COMPANY SUPPLY & ADMIN BUILDINGS (6)	SF	7,590	33.00	(250)
160-PERSON DINING FACILITY (3)	SF	9,900	32.00	(317)
MAINTENANCE SHELTER	SF	2,200	25.00	(55)
BATTALION SUPPLY & RATION BREAKDOWN	SF	2,420	35.00	(85)
EXISTING BUILDING REHABILITATION (4)	SF	11,765	4.25	(50)
SUPPORTING FACILITIES				202
SITE PREPARATION	LS	-	-	(50)
UTILITIES	LS	-	-	(20)
SIDEWALKS	SF	1,333	18.00	(24)
PARKING	LS	-	-	(108)
SUBTOTAL				2,569
CONTINGENCY (5%)				128
SUPERVISION, INSP & OVERHEAD (1.37%)..NON ADD				(37)
TOTAL REQUEST				2,697
EQUIP PROVIDED FROM OTHER FED APPR... NON ADD				(38)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Specially designed facilities of permanent masonry type construction, concrete block interior walls and concrete floors. Supporting facilities include utilities, sidewalks, and parking areas.

Air Conditioning - 7 tons

11. REQUIREMENT: 84,200 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: This project will support the Tennessee Army National Guard units in preparation to meet their Annual Training objectives. Facilities will support 700 troops year round.

REQUIREMENT: This proposed project is requested to provide 84,200 SF of required space to permit the unit personnel to perform their assigned mission. These barracks, dining facilities, and maintenance shelter are required to effectively train and accomplish the Combat Readiness Objectives.

CURRENT SITUATION: The existing facility was rehabilitated in 1962 when the Milan Training Site was sized as a 200 person training area. In December 1983 the site was resized as a 700 person site. The buildings that are currently located on site are inadequate in size to house 700 personnel. The dining facility, barracks and latrines cannot support the increased personnel. Maintenance shed area for Inactive Duty Training units to use during weekend drills does not exist. Construction will include barracks with latrines, dining facilities, maintenance shelter, company administration buildings, and ration breakdown point.

IMPACT IF NOT PROVIDED: Training time for mission essential training will decrease due to the increased number of personnel using the facility without an increase in space.

18

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

MILAN ARSENAL (MILAN), TENNESSEE

4 PROJECT TITLE TRAINING FACILITIES, PHASE III	5 PROJECT NUMBER 1090

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started............................ 5/84
(b) Percent Complete as of January 1986............ 100%
(c) Percent Complete as of October 1986............ 100%
(d) Date Design Complete........................... 10/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (111)
(d) Contract... (111)
(e) In-house... (0)

(4) Construction Start...................................4/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP3723	FY 87	20
TELECOMMUNICATIONS	BP3736	FY 87	18

1 COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION MILLINGTON (MEMPHIS NAS) TENNESSEE		4 AREA CONSTR COST INDEX .95

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A 2-DAY TRAINING ASSEMBLY PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	MEMPHIS	(19 MILES)	400-PERSON ARMORY	16,008 SF	1942
	COVINGTON	(12 MILES)	150-PERSON ARMORY	7,738 SF	1959
	BROWNSVILLE	(25 MILES)	60-PERSON ARMORY	5,631 SF	1951

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	60 PERSON ARMORY	20,263 SF	1,013	8/84	5/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

16 OCT 85
(Date)

9 LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-DPC-No. 87

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
MILLINGTON (MEMPHIS NAS) TENNESSEE

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	2			2	56	7	49
ACTUAL	2			2	61	6	55

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
COMPANY B, 473RD MEDICAL BATTALION (-)	56	61

UIC WTRWBO
TPSN 1203035

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	12	12
TRAILERS	12	12

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION MILLINGTON, (MEMPHIS NAS), TENNESSEE	4. PROJECT TITLE 60-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 79	8. PROJECT COST ($000) 1,013

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				870
ARMORY BUILDING	SF	20,153	43.00	(867)
FLAMMABLE MATERIAL BUILDING	SF	110	33.00	(3)
SUPPORTING FACILITIES				95
SITE PREPARATION	LS	-	-	(10)
FINE GRADING, SEEDING & PLANTING	LS	-	-	(11)
FENCING	LF	468	11.00	(5)
PARKING: MILITARY, OFF-STREET & ACCESS	LS	-	-	(45)
FLAGPOLE & WASH PLATFORM	LS	-	-	(10)
UTILITIES: WATER, SEWER & ELECTRIC	LS	-	-	(11)
SIDEWALK	SF	1,800	1.50	(3)
SUBTOTAL				965
CONTINGENCY (5%)				48
FEDERAL SHARE				1,013
SUPERVISION, INSP&OVERHEAD-FED (1.47%)..NON ADD				(14)
TOTAL REQUEST				1013
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(18)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed facility of permanent masonry type construction, brick and concrete block units, with built-up roof and concrete floors. A one story structure with mechanical and electrical equipment. Supporting facilities to include military vehicle and off-street parking.

Air Conditioning - 15 tons

11. REQUIREMENT: 20,263 SF ADEQUATE: 0 SF SUBSTANDARD: 14,933 SF

PROJECT: A new facility is requested to serve the peacetime mission of this unit. The space will permit all personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives. The existing armory was constructed during World War II as a temporary facility of wood frame construction.

REQUIREMENT: This facility is required to house CO B, 473rd Medical Battalion consisting of 56 personnel. This armory will provide the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish the assigned readiness objectives. New 15 acre site is licensed to the State.

CURRENT SITUATION: The present armory consists of 14,933 SF and was constructed in 1943 with Federal funds. With the additional training requirements and preparation of food for personnel, the existing areas and total space cannot be economically modified to meet current criteria for a unit of this type. The existing armory is Federally owned and is scheduled for demolition by the Navy in FY 86 after the new facility has been occupied.

IMPACT IF NOT PROVIDED: Assigned unit will be required to use the present substandard temporary facility with a deficiency of 5,330 SF in supply and training areas. The overcrowded conditions will continue to have an adverse effect on troop morale affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB [illegible]

3 INSTALLATION AND LOCATION

MILLINGTON, (MEMPHIS NAS), TENNESSEE

4 PROJECT TITLE 60-PERSON ARMORY	5 PROJECT NUMBER 79

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status.
(a) Date Design Started.................................. 8/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete 5/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs............................ (0)
(c) Total... (41)
(d) Contract.. (41)
(e) In-house.. (0)

(4) Construction Start................................. 12/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	7
JSIIDS	BP 2035	FY 87	7
TELECOMMUNICATIONS	BP 3727	FY 87	4

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARNG	FY 19_7 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION NASHVILLE, TENNESSEE		4. AREA CONSTR COST INDEX 0.84

5. FREQUENCY AND TYPE OF UTILIZATION

FULL-TIME ADMINISTRATION FIVE DAYS PER WEEK.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	NASHVILLE	(ON SITE)	600 PERSON ARMORY	68,322 SF	1962
	NASHVILLE	(ON SITE)	150 PERSON ARMORY	11,562 SF	1948

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
610	U.S. PROPERTY & FISCAL OFFICER (USPFO) OFFICE & WAREHOUSE ADDITION	11,802 SF	644	11/84	3/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — 16 OCT 85 (Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED — 0 (Number of Acres)

NONE

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION

NASHVILLE, TENNESSEE

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	131				13,009	1,226	11,783
ACTUAL	125				14,103	1,298	12,805

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
TENNESSEE ARMY NATIONAL GUARD TROOPS	13,009	14,103

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION NASHVILLE, TENNESSEE	4. PROJECT TITLE U.S. PROPERTY & FISCAL OFFICER (USPFO) OFFICE & WAREHOUSE ADDITION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 610	7. PROJECT NUMBER 751	8. PROJECT COST ($000) 644

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY				565
OFFICE ADDITION	SF	5,888	55.00	(324)
WAREHOUSE ADDITION	SF	5,914	40.80	(241)
SUPPORTING FACILITIES				48
SITE PREPARATION	LS	-	-	(12)
PARKING	SY	3,439	9.00	(31)
ACCESS ROAD	SY	400	9.00	(4)
SIDEWALKS	SF	400	2.00	(1)
SUBTOTAL				613
CONTINGENCY (5%)				31
SUPERVISION,INSP&OVERHEAD (1.52%)...NON ADD				( )
TOTAL REQUEST				644
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION
A specially designed addition of permanent masonry construction, hollow masonry units with brick veneer, built-up roof, concrete floors with the necessary mechanical and electrical systems.
Air Conditioning - 10 tons

11. REQUIREMENT: 77,630 SF ADEQUATE: 65,828 SF SUBSTANDARD: 0 SF

PROJECT: The expansion is requested to provide adequate office space for proper logistical and fiscal functions required to support units in their training and mobilization missions.

REQUIREMENT: The facility is required to house the administrative, fiscal and logistical functions required of the USPFO in support of the Army National Guard.

CURRENT SITUATION: The present facility was orginally constructed in 1972. Office space is totally inadequate due to the increased personnel authorized by increased troop strength

IMPACT IF NOT PROVIDED: The mission of the USPFO will have to be continued in inadequate, overcrowded conditions which will result in severe reduction of efficiency and service in support of units.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION NASHVILLE, TENNESSEE		
4 PROJECT TITLE U.S. PROPERTY & FISCAL OFFICER (USPFO) OFFICE ADDITION		5 PROJECT NUMBER 751

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 11/84
(b) Percent Complete as of January 1986 .... 60%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 3/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (29)
(d) Contract... (29)
(e) In-house... (0)

(4) Construction Start.................................. 4/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
	NONE		

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION

PULASKI, TENNESSEE

4. AREA CONSTR COST INDEX

.84

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION 5 DAYS PER WEEK WITH A 2-DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	LAWRENCEBURG	(18 MILES)	150-PERSON ARMORY	24,231 SF	1978
	LEWISBURG	(21 MILES)	60-PERSON ARMORY	18,626 SF	1955
	FAYETTEVILLE	(20 MILES)	60-PERSON ARMORY	12,305 SF	1954

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	100 PERSON ARMORY	20,411 SF	650	11/84	5/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

16 OCT 85 (Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0 (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 - FEB [illegible]

3. INSTALLATION AND LOCATION
PULASKI, TENNESSEE

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1		1		117	5	112
ACTUAL	1		1		140	6	134

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
190TH ENGINEER COMPANY (-) ARMORED CAVALRY REGIMENT	117	140

UIC WVMRAA
TPSN 1827805

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	23	23
TRAILERS	14	14
TRACKED VEHICLES	9	9

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION PULASKI, TENNESSEE	4. PROJECT TITLE 100-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1058	8. PROJECT COST ($000) 650

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				752
ARMORY BUILDING.............................	SF	20,096	37.00	(744)
UNHEATED METAL BUILDING.....................	SF	315	25.00	(8)
SUPPORTING FACILITIES.........................				100
SITE PREPARATION (100% STATE)...............	LS	-	-	(25)
FINE GRADING, SEEDING & PLANTING............	LS	-	-	(11)
PAVING: OFF-STREET, ACCESS, FUEL & WASHRACK.	SY	4,916	8.00	(39)
UTILITIES: WATER, SEWER & ELEC..............	LS	-	-	(8)
SIDEWALK & FLAGPOLE.........................	LS	-	-	(6)
FUEL SYSTEM & WASH RACK.....................	LS	-	-	(11)
SUBTOTAL......................................				852
CONTINGENCY (5%)..............................				42
FEDERAL SHARE...............................				650
STATE SHARE.........................NON ADD				(244)
SUPERVISION, INSP&OVERHEAD-FED (1.47%)..NON ADD				(10)
TOTAL REQUEST.................................				650
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(20)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed armory facility of permanent masonry type construction brick and concrete block units, with a built-up roof and concrete floors. A one-story structure with mechanical and electrical equipment. Outside supporting facilities include military vehicle parking compound and off-street parking.
Air Conditioning - 9 tons

11. REQUIREMENT: 20,411 SF ADEQUATE: 0 SF SUBSTANDARD: 8,334 SF

PROJECT: A new facility is requested to serve the peace time mission of this unit. The space will permit all personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives. The existing armory cannot be expanded.

REQUIREMENT: This facility is required to house the 190th Engineer Co. (-) consisting of 117 personnel. This armory will provide the necessary administration, indoor training areas and storage of equipment space to achieve the proficiency in required training and to accomplish the assigned readiness objectives. New 16 acre site is State-owned.

CURRENT SITUATION: The present armory consists of 8,334 SF and was constructed in 1955. With the additional training requirements and preparation of food for personnel, the existing areas and total space does not permit expansion. The existing armory is State-owned and will be disposed of after the new facility has been completed and occupied, in accordance with State laws.

IMPACT IF NOT PROVIDED: Assigned units will be required to use overcrowded facilities with a deficiency of 12,077 SF in supply and training areas. The overcrowded conditions will continue to have an adverse effect on troop morale, affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 198

3 INSTALLATION AND LOCATION

PULASKI, TENNESSEE

4 PROJECT TITLE 100-PERSON ARMORY	5 PROJECT NUMBER 1058

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 11/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete........................... 5/85

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... (0)
(b) All Other Design Costs.......................... (0)
(c) Total.. (29)
(d) Contract... (29)
(e) In-house... (0)

(4) Construction Start.................................. 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	10
JSIIDS	BP 2035	FY 87	10

1 COMPONENT ARNG	**FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION**	2 DATE 14 FEB 19[illegible]
3 INSTALLATION AND LOCATION ABILENE, TEXAS		4 AREA CONSTR COST INDEX .85

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH AN AVERAGE OF ONE TWO-DAY TRAINING ASSEMBLY PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	STAMFORD	(39 MILES)	60 PERSON ARMORY	10776 SF	1955
	SWEETWATER	(40 MILES)	60 PERSON ARMORY	10776 SF	1959
	SNYDER	(79 MILES)	100 PERSON ARMORY	13173 SF	1958

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ REHABILITATION	35,204 SF	924	8/84	8/84

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

27 DEC 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9 LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR THE CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED.

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 1 4 FEB 1986

3. INSTALLATION AND LOCATION

ABILENE, TEXAS

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	23	4	19		184	38	146
ACTUAL	17	3	13	1	206	36	170

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
142 REAR AREA OPERATION CENTER UIC WTBVAA TPSN 31189	81	83
HEADQUARTERS, HEADQUARTERS COMPANY, 111TH ENGINEER BATTALION UIC WPMUTO TPSN 0204905	103	123
TOTAL	184	206

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	80	59
TRAILERS	43	41
TRACKED VEHICLES	8	6

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION ABILENE, TEXAS	4. PROJECT TITLE ARMORY ADDITION/REHABILITATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 714	8. PROJECT COST ($000) 924

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY............................				1,028
ADDITION....................................	SF	5,353	56.00	(300)
REHABILITATION..............................	SF	26,933	25.17	(678)
UNHEATED METAL STORAGE BUILDING.............	SF	2,918	17.00	(50)
SUPPORTING FACILITIES.......................				149
SITE PREPARATION (100% STATE)...............	LS	-	-	(4)
SECURITY FENCING............................	LF	1,097	7.29	(8)
FUEL DISPENSING.............................	LS	-	-	(25)
PAVING......................................	SY	13,138	8.37	(110)
UTILITIES...................................	LS	-	-	(2)
SUBTOTAL....................................				1,177
CONTINGENCY (5%)............................				59
FEDERAL SHARE...............................				924
STATE SHARE........................NON ADD				(312)
SUPERVISION,INSP&OVERHEAD-FED (1.42%) NON ADD				(13)
TOTAL REQUEST...............................				924
EQUIP PROVIDED FROM OTHER FED APPR....NON ADD				(25)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Addition to and alteration/rehabilitation of existing armory facility of permanent masonry type construction, brick and concrete block units with build-up or single membrane roof and concrete floors. 1-story structure with mechanical and electrical equipment. Construction of a pre-engineered prefabricated storage building on concrete slab.

Air Conditioning - 44 tons

11. REQUIREMENT: 35,204 SF ADEQUATE: 0 SF SUBSTANDARD: 26,933 SF

PROJECT: A rehabilitation and addition to an existing armory, plus alteration of portions of the armory are required to serve the peacetime mission of the assigned units. The space will permit all personnel to perform tasks necessary to improve their readiness in support of combat missions.

REQUIREMENT: This facility was damaged by fair wear and tear and is too small to house the two units stationed there. Unit storage alone is short, the locker room and kitchen are inadequate and not up to National Guard regulations. This facility when repaired and expanded will provide the necessary administrative, indoor training areas and equipment storage space to allow the units to achieve training proficiency to accomplish wartime missions. The site is 5.11 acres and is deeded to the Texas Armory Board.

CURRENT SITUATION: The existing armory was built in 1955 to provide 26,933 SF for the Headquarters and Battery A, 131 Field Artillery Battalion. On 1 November 1973, the present units were assigned the armory as home station. The present units are short armory space plus the fair wear and tear from years of hard usage make this project necessary.

IMPACT IF NOT PROVIDED: The assigned units will be required to use an overcrowded facility with a run-down appearance and a deficiency in supply and training areas. The overcrowded conditions will continue to have an adverse effect on troop morale, affecting retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION
ABILENE, TEXAS

4 PROJECT TITLE ARMORY ADDITION/REHABILITATION	5 PROJECT NUMBER 714

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 8/84

(2) Basis:
(a) Standard or Definitive Design - Yes No
(b) Where Design Was Most Recently Used

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (40)
(d) Contract... (40)
(e) In-house... (0)

(4) Construction Start.................................. 10/86
month/year

b. Equipment associated with this project which will be provided from other appropriation:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
JSIIDS	BP 2035	FY 87	6
TELECOMMUNICATIONS	BP 3727	FY 87	1
KITCHEN EQUIPMENT	BP 3723	FY 87	18

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION DECATUR, TEXAS		4. AREA CONSTR COST INDEX .85

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH AS AVERAGE OF ONE TWO-DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: DENTON (27 MILES) 60 PERSON ARMORY 10,776 SF 1954
FORT WORTH (36 MILES) 300 PERSON ARMORY 20,182 SF 1954
BOWIE (28 MILES) 60 PERSON ARMORY 10,776 SF 1954

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ REHABILITATION	15,061	801	8/84	8/84

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

27 DEC 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE [illegible]

3. INSTALLATION AND LOCATION
DECATUR, TEXAS

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	2		2		101	3	98
ACTUAL	2		2		45	2	43

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
BATTERY A, 2/131 FIELD ARTILLERY (155 MM SUPPORT)	101	45

UIC WPD4A0

TPSN 0204914

UNIT TO BE REORGANIZED EFFECTIVE 1 OCT 86. CONSTRUCTION CONTRACT WILL NOT BE AWARDED UNTIL STRENGTH IS AT 85%

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	2	2
TRAILERS	5	1
TRACKED VEHICLES	7	1

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION DECATUR, TEXAS	4. PROJECT TITLE ARMORY ADDITION/REHABILITATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 720	8. PROJECT COST ($000) 801

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				676
ADDITION....................................	SF	3,682	60.00	(221)
REHABILITATION..............................	SF	11,379	40.00	(455)
SUPPORTING FACILITIES...........................				87
SITE PREPARATION............................	LS	-	-	(6)
FINE GRADING & SEEDING......................	AC	4	2,000	(8)
SECURITY LIGHTING...........................	LS	-	-	(20)
SECURITY FENCING............................	LS	-	-	(5)
PAVING......................................	LS	-	-	(44)
UTILITIES...................................	LS	-	-	(4)
SUBTOTAL..				763
CONTINGENCY (5%)................................				38
SUPERVISION,INSP&OVERHEAD-FED(1.50%)...NON ADD				(12)
TOTAL REQUEST...................................				801
EQUIP PROVIDED FROM OTHER FED APPR.....NON ADD				(25)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Addition to and alteration/rehabilitation of existing armory facility consisting of permanent masonry type construction, brick and concrete block units with built-up or single membrane roof and concrete floors. 1-story structures with mechanical and electrical equipment.

Air Conditioning - 10 tons

11. REQUIREMENT: 15,061 SF ADEQUATE: 0 SF SUBSTANDARD: 11,379 SF

PROJECT: A rehabilitation and addition to an existing armory, plus alteration of portions of the armory are required to serve the peacetime mission of the assigned unit. The space will permit all personnel to perform tasks necessary to improve their readiness to support combat missions in support of the 49th Armored Division.

REQUIREMENT: This facility was damaged by fair wear and tear and is too small to house the unit stationed there. Unit storage is short, there is not rifle range and the locker room and kitchen are too small and not up to National Guard regulations. This facility when repaired and expanded will provide the necessary administrative, indoor training areas and equipment storage space to allow the unit to achieve training proficiency to accomplish wartime missions. The site is 20 acres and is deeded to the Texas Armory Board.

CURRENT SITUATION: The armory was built in 1959 to provide 11,379 SF to Company C, 2d Medium Tank Battalion, 112th Armor. On 1 November 1980, Detachment 1, Battery A, 2nd Battalion, 131 Field Artillery was assigned to the armory as home station.

IMPACT IF NOT PROVIDED: The assigned unit will be required to use an overcrowded facility with deficiencies in supply and training areas affecting the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION DECATUR, TEXAS		
4 PROJECT TITLE ARMORY ADDITION/REHABILITATION		5 PROJECT NUMBER 720

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/84
(b) Percent Complete as of January 1986 .... 100%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 8/84

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (36)
(d) Contract... (36)
(e) In-house... (0)

(4) Construction Start.............................. 10/86 month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
JSIIDS	BP 2035	FY 87	6
TELECOMMUNICATIONS	BP 3727	FY 87	1
KITCHEN EQUIPMENT	BP 3723	FY 87	18

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
14 FEB 1986

3. INSTALLATION AND LOCATION
WAXAHACHIE, TEXAS

4. AREA CONSTR COST INDEX
.85

5. FREQUENCY AND TYPE OF UTILIZATION
NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH AN AVERAGE OF ONE TWO-DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	DALLAS	(36 MILES)	1000 PERSON ARMORY	51,480 SF	1961
	DALLAS	(38 MILES)	60 PERSON ARMORY	9,784 SF	1963
	HILLSBORO	(35 MILES)	150 PERSON ARMORY	15,838 SF	1957

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	ARMORY ADDITION/REHABILITATION	20,295 SF	774	8/84	8/84

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
27 DEC 85
(Date)
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED
NONE
0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS
NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF ~~THE~~ PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

WAXAHACHIE, TEXAS

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	4		3	1	63	5	58
ACTUAL	3		2	1	90	5	85

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
COMPANY C, 1ST BATTALION, 112TH ARMOR	63	90

UIC WPDXCO
TPSN 0204940

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	6	6
TRACKED VEHICLES	2	2
TRAILERS	4	4

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION WAXAHACHIE, TEXAS	4. PROJECT TITLE ARMORY ADDITION/REHABILITATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 703	8. PROJECT COST ($000) 774

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				581
ADDITION..................................	SF	4,168	52.39	(218)
REHABILITATION............................	SF	16,127	22.47	(363)
SUPPORTING FACILITIES.........................				156
FINE GRADING & SEEDING....................	LS	-	-	(9)
SITE PREPARATION..........................	LS	-	-	(19)
WASHRACK..................................	LS	-	-	(5)
SECURITY FENCING..........................	LF	418	14.35	(6)
PAVING....................................	SY	4,758	21.00	(100)
UTILITIES.................................	LS	-	-	(9)
SECURITY LIGHTING.........................	LS	-	-	(8)
SUBTOTAL......................................				737
CONTINGENCY (5%)..............................				37
SUPERVISION,INSP&OVERHEAD-FED(1.50%)...NON ADD				(8)
TOTAL REQUEST.................................				774
EQUIP PROVIDED FROM OTHER FED APPR.....NON ADD				(25)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Addition to, alteration and rehabilitation of existing armory facility of permanent masonry type construction, brick and concrete block units with built-up or single membrene roof and concrete floors. One-story structures with mechanical and electrical equipment.
Air Conditioning - 9 tons

REQUIREMENT: 20,295 SF ADEQUATE: 0 SF SUBSTANDARD: 16,127 SF

PROJECT: A rehabilitation and addition to an existing armory, plus alteration of portions of the armory are required to serve the peace time mission of the assigned units. The space will permit all personnel to perform tasks necessary to improve their readiness to support combat missions in support of the 29th Armored Division.

REQUIREMENT: This facility was damaged by years of fair wear and tear and is too small to house the company stationed there. Unit storage alone is short, there is no rifle range and the kitchen is too small and not up to National Guard Regulations. This facility when repaired and expanded will provide the necessary administrative, indoor training areas and equipment storage space to allow the unit to achieve training proficiency to accomplish wartime missions. The site is 6.28 acres and is deeded to the Texas National Guard Armory Board.

CURRENT SITUATION: The armory was built in 1958 to provide 16,127 SF to Company B (-), 1/144 Infantry. On 1 November 1983, Company C, 1/112 Armor was assigned to the armory as home station. The present unit is short of armory space. Years of hard use, several reorganizations and fair wear and tear require that this facility be rehabilitated and expanded.

213

1 COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION WAXAHACIE, TEXAS		
4 PROJECT TITLE ARMORY ADDITION/REHABILITATION		5 PROJECT NUMBER 703

IMPACT IF NOT PROVIDED: With this project the unit will have the administratve training and storage space required to properly train for their combat mission. Without this project they will continue in substandard, crowded, obsolete facilities with a rundown appearance which will have an adverse effect on retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION WAXAHACHIE, TEXAS		
4 PROJECT TITLE ARMORY ADDITION/REHABILITATION		5 PROJECT NUMBER 703

12. **SUPPLEMENTAL DATA:**

a. **Estimated Design Data:**

(1) **Status:**
(a) **Date Design Started**.............................. 8/84
(b) **Percent Complete as of January 1986** 100%
(c) **Percent Complete as of October 1986** 100%
(d) **Date Design Complete**............................. 8/84

(2) **Basis:**
(a) **Standard or Definitive Design - Yes** No X
(b) **Where Design Was Most Recently Used** N/A

(3) **Total cost (c) = (a) + (b) or (d) + (e):** ($000)
(a) **Production of Plans and Specifications**........... (0)
(b) **All Other Design Costs**........................... (0)
(c) **Total**.. (35)
(d) **Contract**... (35)
(e) **In-house**... (0)

(4) **Construction Start**.................................. 10/86
month/year

b. **Equipment associated with this project which will be provided from other appropriations:**

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
JSIIDS	BP 2035	FY 87	6
TELECOMMUNICATION	BP 3727	FY 87	1
KITCHEN EQUIPMENT	BP 3723	FY 87	18

1. COMPONENT
ARNG

FY 19[illegible] GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE
1 [illegible]

3. INSTALLATION AND LOCATION
DRAPER, UTAH

4. AREA CONSTR COST INDEX
1.03

5. FREQUENCY AND TYPE OF UTILIZATION

FULL TIME ADMINISTRATION AND MAINTENANCE FIVE DAYS PER WEEK.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	CAMP WILLIAMS	(8 MILES)	ARMY NATIONAL GUARD MAJOR TRAINING SITE		
	CAMP WILLIAMS	(8 MILES)	150 PERSON ARMORY	21,000 SF	1973
	WEST JORDAN	(10 MILES)	200 PERSON ARMORY	14,822 SF	1977
	LEHI	(15 MILES)	150 PERSON ARMORY	14,386 SF	1958
	MURRAY	(15 MILES)	200 PERSON ARMORY	19,727 SF	1955

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
930	STATE MILITARY HEADQUARTERS COMPLEX ACQUISTION	253,725 SF	5,376	N/A	N/A

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

N/A
(Date)

9. LAND ACQUISITION REQUIRED
NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	800 PERSON ARMORY	$667
FY 88	U.S. PROPERTY & FISCAL OFFICE & WAREHOUSE	$1,334
FY 88	COMBINED SUPPORT MAINTENANCE SHOP	$2,072
FY 88	RATION BREAKDOWN FACILITY	$365
FY 88	ORGANIZATIONAL MAINTENANCE SHOP	$329

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
DRAPER, UTAH

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	181	13	27	141	5,150	796	4,354
ACTUAL	159	12	26	121	6,124	778	5,346

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
UTAH ARMY NATIONAL GUARD TROOPS	5,150	6,124

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	1,138	1,094
TRACKED VEHICLES	102	93
TRAILERS	443	398

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 86

3. INSTALLATION AND LOCATION DRAPER, UTAH	4. PROJECT TITLE STATE MILITARY HEADQUARTERS COMPLEX ACQUISITION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 930	7. PROJECT NUMBER 700	8. PROJECT COST ($000) 5,376

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY.............................				6,742
BUILDING ACQUISITION.........................	SF	253,725	24.25	(6,153)
FEDERAL SHARE............................				5,265
at 100%............................	SF	107,310	24.25	(2,602)
at 75%............................	SF	146,415	18.19	(2,663)
STATE SHARE.....................NON ADD				(1,477)
at 25%.....................NON ADD	SF	146,415	6.06	(888)
LAND ACQUISITION (100% STATE)......NON ADD				(589)
CONTINGENCIES (5%).......................				111
TOTAL FEDERAL REQUEST........................				5,376
EQUIP PROVIDED FROM OTHER FED APPR...NON ADD				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Purchase a modern one-story industrial and administrative building from a private owner that has approximately 270,000 square feet of floor space, consisting of brick walls over steel frame and truss construction with associated electrical and mechanical services, all utilities, security and fire protection services. Existing support facilities include flexible pavement access roads and parking areas and landscaping. Purchase of the site will be at State expense. The building is partially air conditioned.

11. REQUIREMENTS: 253,725 SF ADEQUATE: 0 SF SUBSTANDARD: N/A

PROJECT: To purchase jointly with the State of Utah, an existing industrial and administrative building to replace several inadequate facilities located in the Salt Lake City area. The existing vacant building has approximately 270,000 square feet of office and warehouse space under one roof and is equipped with all supporting utilities. The building can be cost-effectively sub-divided and altered under future separate projects for headquarter and administrative offices, armory, maintenance shops, and warehouses for the Utah Army National Guard. Acquistion of the building area not required for Federal missions and the site will be the responsibility of the State.

REQUIREMENT: Existing armories, administrative offices and centralized logistics facilities are over-crowded or functionally inadequate and can not be economically expanded or modernized to satisfy the needs of the Utah Army National Guard. Replacement of these facilities is the most effective means to correct these inadequate conditions. It is intended to relocate 6 units, including the headquarters element of the State Area Command (STARC) and the headquarters and one line company of the 142d Military Intelligence Battalion (Linguistic), the Combined Support Maintenance Shop, an organizational Maintenance shop, the US Property and Fiscal Office, and supporting warehouse functions to this new facility.

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1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1985
3 INSTALLATION AND LOCATION DRAPER, UTAH		
4 PROJECT TITLE STATE MILITARY HEADQUARTERS COMPLEX ACQUISITION		5 PROJECT NUMBER 700

CURRENT SITUATION: The Utah ARNG units and activities planned to be relocated into this new facility are currently housed in several inadequate facilities in the Salt Lake City area. The existing armories are overcrowded or are leased buildings that are not totally functional for the missions of the assigned units. The existing logistics facilities are located in a built-up residential area. Because of traffic restrictions and safety measures, the heavy trucks entering and leaving this area are confined to specific streets during a limited time span during the normal work week. These restrictions prevent efficient operations from being conducted.

IMPACT IF NOT PROVIDED: Readiness will continue to be impaired for all units involved as well as the impact caused by reduced logistical support capabilities of the US Property and Fiscal Office and the Combined Support Maintenance Shop. The inadequacies of the existing facilities are so severe that alternative new construction for each activity would be sought at, potentially, higher costs.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 19

3 INSTALLATION AND LOCATION

DRAPER, UTAH

4 PROJECT TITLE STATE MILITARY HEADQUARTERS COMPLEX ACQUISITION	5 PROJECT NUMBER 700

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................... N/A
(b) Percent Complete as of January 1986 .... N/A
(c) Percent Complete as of October 1986 .... N/A
(d) Date Design Complete.................................. N/A

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs................................ (0)
(c) Total.. (0)
(d) Contract.. (0)
(e) In-house.. (0)

(4) Construction Start... 6/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)

NONE

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION CHARLOTTESVILLE, VIRGINIA		4. AREA CONSTR COST INDEX .95

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USAR: CHARLOTTESVILLE, VA (5 MILES)
USMCR: LYNCHBURG, VA (50 MILES)
ARNG: STAUNTON, VA (35 MILES) 100-PERSON ARMORY 16,180 SF 1956

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	ARMORY ADDITION/ALTERATION	28,148 SF	910	5/85	1/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

7 OCT 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION CHARLOTTESVILLE, VIRGINIA		

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	7		7		177	16	161
ACTUAL	4		4		159	13	146

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
COMPANY A, 2/116 INFANTRY BATTALTION UIC WPHQAO TPSN 03029	117	94
(COMPANY A (-) 2/116 INFANTRY BATTALION TO BE REORGANIZED 1 JUL 86 TO FORM THIS UNIT)		(94)
COMPANY A, 104TH MEDICAL BATTALION UIC WV6MAO TPSN 03029	60	65
(COMPANY B, (MEDICAL) 116 COMBAT SUPPORT BATTALION TO BE REORGANIZED 1 JUL 86 TO FORM THIS UNIT)		(65)
TOTAL	177	159

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	26	N/A
TRAILERS	8	N/A

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CHARLOTTESVILLE, VIRGINIA	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1059	8. PROJECT COST ($000) 910

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				802
ADDITION....................................	SF	11,587	67.65	(784)
ALTERATION..................................	SF	16,561	1.08	(18)
SUPPORTING FACILITIES...........................				64
SITE PREPARATION............................	LS	-	-	(10)
FINE GRADING, SEEDING & EROSION CONTROL......	LS	-	-	(4)
UTILITIES...................................	LS	-	-	(4)
PAVING (FLEXIBLE)...........................	SY	3,096	10.00	(31)
WASH RACK & SIDEWALK........................	LS	-	-	(15)
SUBTOTAL..				866
CONTINGENCY (5%)...............................				44
SUPERVISION, INSP&OVERHEAD-FED (1.50%)..NON ADD				(12)
TOTAL REQUEST...................................				910
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(13)

10. DESCRIPTION OF PROPOSED CONSTRUCTION
A special designed masonry type renovation and alteration with built-up roof and concrete floors, complete with electrical and heat system.
Air Conditioning - 9 tons

11. REQUIREMENT: 28,148 SF ADEQUATE: 0 SF SUBSTANDARD: 16,561 SF

PROJECT: This project will modify and add to the existing armory to provide rifle range, unit storage, locker room, food preparation and storage, facilities maintenance, learning center, and administrative space which are now lacking in the facility.

REQUIREMENT: Existing armory lacks critically needed functional areas defined by the project scope. Without this space the ability of the unit to adequately function and train for it's mission is seriously affected. This project will provide the necessary space for the unit assigned to the armory to meet the mobilization mission as assigned to the 29th Infantry Division.

CURRENT SITUATION: The existing armory is sited on a 10 acre state-owned site, and is lacking in the necessary functional areas to adequately house the units assigned.

IMPACT IF NOT PROVIDED: There are to be two units assigned to this armory. Failure to provide this space will jeopardize the ability of the units to function as required. The lack of arms storage and rifle range areas seriously affects the overall esprit de corps of the units, which in turn affects the training and well being.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

CHARLOTTESVILLE, VIRGINIA

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 1059

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 5/85
(b) Percent Complete as of January 1986 .... 90%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 1/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (33)
(d) Contract... (33)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15

1 COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION FREDERICKSBURG, VIRGINIA		4. AREA CONSTR COST INDEX .95

5 FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG MANASSAS, VA (25 MILES) 100-PERSON AMORY - 15,696 SF - 1959
USA FORT BELVOIR, VA (40 MILES)
USA DAHLGREN, VA (25 MILES)

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	ARMORY ADDITION/ALTERATION	45,058 SF	1,239	5/85	2/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

7 OCT 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9 LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s
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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

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1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		1 1 FEB 1986

3. INSTALLATION AND LOCATION

FREDERICKSBURG, VIRGINIA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	16	5	11		313	26	287
ACTUAL	3		3		188	8	180

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY, 229TH ENGINEER BATTALION UIC WV6Y90 TPSN 03029	124	188 1/
COMPANY A, 229TH ENGINEER BATTALION UIC WV6Y90 TPSN 03029	63	0 1/
COMPANY B, 229TH ENGINEER BATTALION UIC WV6Y90 TPSN 03029	63	0 1/
COMPANY C, 229TH ENGINEER BATTALION UIC WV6Y90 TPSN 03029	63	0 1/
	313	188

1/ (237TH ENGINEER COMPANY (ACTUAL STRENGTH 188) WILL BE REORGANIZED ON 1 JUL 86 TO FORM THIS BATTALION. ALL UNIT STRENGTHS WILL BE AT 75% PRIOR TO AWARD OF CONSTRUCTION CONTRACT.)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	60	N/A
TRAILERS	30	N/A

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION FREDERICKSBURG, VIRGINIA	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1054	8. PROJECT COST ($000) 1,239

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY............................				1,093
ADDITION................................	SF	27,233	39.20	(1,067)
ALTERATION..............................	SF	17,825	1.44	(26)
SUPPORTING FACILITIES........................				87
SITE PREPARATION........................	LS	-	-	(30)
GRADING, SEEDING & EROSION CONTROL.........	LS	-	-	(4)
PARKING, OFF-STREET, ACCESS................	SY	4,746	10.00	(48)
UTILITIES...............................	LS	-	-	(4)
SIDEWALK................................	LS	-	-	(1)
SUBTOTAL....................................				1,180
CONTINGENCY (5%)............................				59
SUPERVISION, INSP&OVERHEAD-FED(1.47%).NON ADD				(17)
TOTAL REQUEST...............................				1,239
EQUIP PROVIDED FROM OTHER FED APPR....NON ADD				(15)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A specially designed masonry type addition/alteration to an existing National Guard armory. With built-up roof and concrete floors, complete with electrical, heat, and technical systems. Supporting facilities include modifications to existing utilities and additional sidewalks.

Air Conditioning - 7 tons

REQUIREMENT: 45,058 SF ADEQUATE: 0 SF SUBSTANDARD: 17,825 SF

PROJECT: This project will modify and add to the existing armory to provide rifle range; unit storage; locker room space; training aid storage; food storage area; food preparation and scullery area; facility maintenance area; learning center; and battalion headquarters space which are now lacking.

REQUIREMENT: Existing armory lacks the above noted space. Without this space the ability of the units to adequately function and train for their mission is seriously affected. This project will provide the necessary space for the units assigned the armory to meet their mobilization mission. A 6.9 acre State owned site is available for this project.

CURRENT SITUATION: The existing facility is lacking in these functional areas plus the necessary circulation space.

IMPACT IF NOT PROVIDED: Currently there are four units assigned to this armory. They are all seriously lacking in required areas. Failure to provide this space will jeopardize the ability of the units to function as required. The lack of storage and rifle range seriously affects the overall esprit de corps of the units, which in turn affects their training and well being.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 11 FEB 1986

3 INSTALLATION AND LOCATION

FREDERICKSBURG, VIRGINIA

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 1054

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 5/85
(b) Percent Complete as of January 1986 .... 85%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................ 2/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (44)
(d) Contract... (44)
(e) In-house... (0)

(4) Construction Start................................ 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO 228

1. COMPONENT
ARNG

FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION

2. DATE
14 FEB [illegible]

3. INSTALLATION AND LOCATION
LEESBURG, VIRGINIA

4. AREA CONSTR COST INDEX
.95

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	MANASSAS	(25 MILES)	100-PERSON	1959	15,696 SF
	WARRENTON	(29 MILES)	60-PERSON	1964	10,530 SF
USAR:	FORT BELVOIR	(35 MILES)	TOTAL SIZE UNKNOWN		

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171	100-PERSON ARMORY	22,606 SF	1,024	8/85	5/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
7 OCT 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED
NONE
0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 19_87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1985

3. INSTALLATION AND LOCATION
LEESBURG, VIRGINIA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	3		3		117	5	112
ACTUAL	0		0		SEE NOTE 1/		

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
COMPANY C, 1/170TH INFANTRY UIC WV6SCO TPSN 03029	117	0 1/

1/ (40 MEMBERS WILL BE TRANSFERRED TO THE ABOVE UNIT UPON REORGANIZATION OF COMPANY A, 3/116 INFANTRY ON 1 JULY 1986.) UNIT WILL BE AT 75% STRENGTH PRIOR TO AWARD OF A CONSTRUCTION CONTRACT.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED

N/A

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION LEESBURG, VIRGINIA	4. PROJECT TITLE 100-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1200	8. PROJECT COST ($000) 1,024

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				1,212
ARMORY BUILDING.............................	SF	22,496	53.73	(1,208)
FLAMMABLE MATERIALS BUILDING................	SF	110	32.00	(4)
SUPPORTING FACILITIES..........................				103
SITE PREPARATION (100% STATE)...............	LS	-	-	(15)
PARKING: MILITARY...........................	SY	325	10.00	(3)
FINE GRADING, SEEDING & PLANTING............	LS	-	-	(25)
FENCING.....................................	LF	230	10.50	(2)
PARKING: OFF-STREET & ACCESS ROADS..........	SY	4,476	10.00	(45)
UTILITIES: WATER, SEWER, ELECT..............	LS	-	-	(6)
SIDEWALKS & FLAGPOLE........................	LS	-	-	(7)
SUBTOTAL.......................................				1,315
CONTINGENCY (5%)...............................				66
FEDERAL SHARE...............................				1,024
STATE SHARE.......................NON ADD				(357)
SUPERVISION,INSP&OVERHEAD-FED(1.45%).NON ADD				(15)
TOTAL REQUEST..................................				1,024
EQUIP PROVIDED FROM OTHER FED APPR...NON ADD				(20)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a specially designed armory facility of permanent masonry-type construction with built-up roof and concrete floors. This is a one-story structure with mechanical and electrical equipment. Supporting facilities such as site preparation, paving and fencing are included.

Air Conditioning - 8 tons

11. REQUIREMENT: 22,606 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: The new facility is requested to serve the peace time mission of this unit. The space will permit all assigned personnel to perform those tasks necessary to improve their readiness posture in support of combat objectives.

REQUIREMENT: This facility is required to house Company C, 1/170th Infantry with a total of 124 authorized personnel. This armory will provide the necessary administrative, indoor training areas and equipment storage space to maintain proficiency in required skills and to achieve the necessary readiness posture. Facility is to be sited on State-owned land.

CURRENT SITUATION: This unit is to be organized and stationed in Leesburg. No adequate facilities exist.

IMPACT IF NOT PROVIDED: The assigned unit will be required to occupy facilities which were not intended to serve as a military training station. This would have adverse effects on this new unit to recruit its members.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION LEESBURG, VIRGINIA		
4 PROJECT TITLE 100 PERSON ARMORY		5 PROJECT NUMBER 1200

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.................................. 8/85
(b) Percent Complete as of January 1986 .... 40%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete.................................. 5/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs............................. (0)
(c) Total.. (36)
(d) Contract... (36)
(e In-house... (0)

(4) Construction Start..................................... 5/87 month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15
JSIIDS	BP 2035	FY 87	5

1. COMPONENT ARNG	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION LEXINGTON, VIRGINIA		4. AREA CONSTR COST INDEX .95

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH TWO 2-DAY TRAINING ASSEMBLIES PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	STAUNTON	(32 MILES)	100 PERSON ARMORY	13,010 SF	1956
	CLIFTON FORGE	(29 MILES)	60 PERSON ARMORY	13,780 SF	1941
	COVINGTON	(41 MILES)	100 PERSON ARMORY	11,376 SF	1930

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	60-PERSON ARMORY	19,127 SF	897	8/85	6/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION — 7 OCT 85 (Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED — 0 (Number of Acres)

NONE

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1 COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE
ARNG		14 FEB 1986

3 INSTALLATION AND LOCATION

LEXINGTON, VIRGINIA

11 PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1		1		55	3	52
ACTUAL	0		0		SEE NOTE BELOW		

12 RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
COMPANY A, (-) 3RD BATTALION, 116TH INFANTRY	55	0 1/

UIC WXA3A0
TPSN 03029

1/ 1 JUL 1986 HEADQUARTERS, HEADQUARTERS COMPANY, 116TH INFANTRY BRIGADE WILL BE REORGANIZED AND A PORTION OF THAT COMPANY WITH FORM THE ABOVE UNIT. UNIT STRENGTH WILL BE AT 75% PRIOR TO AWARD OF A CONSTRUCTION CONTRACT.

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	0	0
TRAILERS	0	0
TRACKED VEHICLES	0	0

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 4 FEB 1986

3. INSTALLATION AND LOCATION LEXINGTON, VIRGINIA	4. PROJECT TITLE 60-PERSON ARMORY

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1053	8. PROJECT COST ($000) 897

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				1,067
ARMORY BUILDING............................	SF	19,017	55.94	(1,063)
FLAMMABLE STORAGE BUILDING..................	SF	110	32.00	(4)
SUPPORTING FACILITIES..........................				86
SITE PREPARATION (100% STATE)...............	LS	-	-	(15)
PARKING: MILITARY...........................	SY	325	10.00	(3)
FINE GRADING, SEEDING & PLANTING............	LS	-	-	(26)
FENCING.....................................	LF	230	10.00	(2)
PARKING: OFF-STREET & ACCESS................	SY	2,740	10.00	(27)
UTILITIES; WATER & SEWER....................	LS	-	-	(6)
SIDEWALK & FLAGPOLE.........................	LS	-	-	(7)
SUBTOTAL.......................................				1,153
CONTINGENCY (5%)...............................				58
FEDERAL SHARE..................................				897
STATE SHARE.........................NON ADD				(314)
SUPERVISION,INSP&OVERHEAD-FED(1.47%) NON ADD				(13)
TOTAL REQUEST..................................				897
EQUIP PROVIDED FROM OTHER FED APPR.. NON ADD				(20)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This is a specially designed armory facility of permanent masonry type construction with built-up roof and concrete floors. It is a two-story structure with mechanical and electrical equipment. Supporting facilities such as site preparation, paving and fencing are included.
Air Conditioning - 6 tons

11. REQUIREMENT: 19,127 SF ADEQUATE: 0 SF SUBSTANDARD: 0 SF

PROJECT: A new facility is requested to serve the peace time mission of this unit. The space will permit all assigned personnel to perform the necessary tasks that will improve their readiness.

REQUIREMENT: This facility is required to house Company A (-), 3/116 Infantry with a total authorized strength of 55. This armory will provide the necessary administration, indoor training and storage areas to achieve the proficiency in required training and to accomplish the assigned readiness objectives. The facility is to be sited on State-owned land.

CURRENT SITUATION: No facility exists to house this unit.

IMPACT IF NOT PROVIDED: New unit will be required to use a facility which is completely inadequate for use as an armory. The existing facility is a leased school house and its continued use not only provides inadequate space but will have an adverse effect on troop morale.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION
LEXINGTON, VIRGINIA

4 PROJECT TITLE
60 PERSON ARMORY

5 PROJECT NUMBER
1053

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 8/85
(b) Percent Complete as of January 1986 .... 40%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 6/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (32)
(d) Contract... (32)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15
JSIIDS	BP 2035	FY 87	5

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION MANASSAS, VIRGINIA		4. AREA CONSTR COST INDEX .95

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARMY: VINT HILLS (12 MILES)
FORT BELVOIR (17 MILES)
USMC: QUANTICO (10 MILES)

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ ALTERATION	32,950 SF	903	5/85	3/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

7 OCT 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

" A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

1. COMPONENT ARNG	**FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB [illegible]

3. INSTALLATION AND LOCATION

MANASSAS, VIRGINIA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	16	5	11		181	8	173
ACTUAL	5		5		97	5	92

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
COMPANY A, 1/170TH INFANTRY BATTALION UIC WV6SAO TPSN 03029	117	0 1/
DETACHMENT 1, COMPANY B, 1/170TH INFANTRY BATTALION UIC WV6SB1 TPSN 03029	64	0 1/
(1 JUL 86 COMPANY B, 3/116TH INFANTRY BATTALION WILL BE REORGANIZED TO FORM THE ABOVE UNITS)		(97) 1/
TOTALS	181	97

1/ UNIT STRENGTHS WILL BE AT 75% PRIOR TO AWARD OF A CONSTRUCTION CONTRACT.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	35	N/A
TRAILERS	15	N/A

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARNG	**FY 19 87 MILITARY CONSTRUCTION PROJECT DATA**	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION MANASSAS, VIRGINIA	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1056	8. PROJECT COST ($000) 903

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				810
ADDITION................................	SF	13,173	60.59	(798)
ALTERATION................................	SF	19,777	.59	(12)
SUPPORTING FACILITIES................................				50
SITE PREPARATION................................	LS	-	-	(8)
FINE GRADING, SEEDING & EROSION CONTROL......	LS	-	-	(4)
UTILITIES................................	LS	-	-	(4)
SIDEWALK................................	LS	-	-	(1)
WASH RACK................................	LS	-	-	(15)
ACCESS TO WASH RACK (FLEXIBLE)..............	SY	150	10.00	(2)
OFF-STREET PARKING..........................	SY	1,596	10.00	(16)
SUBTOTAL................................				860
CONTINGENCY (5%)................................				43
SUPERVISION, INSP&OVERHEAD-FED (1.50%)..NON ADD				(11)
TOTAL REQUEST................................				903
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(15)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

A special designed masonry type addition to an existing National Guard armory, with built-up roof and concrete floors, complete with electrical, heating, and technical system. Supporting facilities such as site preparation, paving and fencing are included.

Air Conditioning - 1 ton

11. REQUIREMENT: 32,950 SF ADEQUATE: 0 SF SUBSTANDARD: 19,777 SF

PROJECT: This project will modify and add to the existing armory to provide rifle range, unit storage, locker room, food preparation and storage, facilities maintenance, learning centers, and administrative areas which are now lacking in this facility.

REQUIREMENT: Existing armory lacks the above noted space. Without this space the ability of the units to adequately function and train for their mission is seriously affected. This project will provide the necessary space for the units assigned to the armory to meet their mobilization mission.

CURRENT SITUATION: The current facility is sited on a 5.57 acre State-owned site, and is lacking in these functional areas, plus the necessary circulation space.

IMPACT IF NOT PROVIDED: Failure to provide this space will jeopardize the ability of the units to function as required. The lack of vital areas at the armory will have adverse effects on the readiness of these 29th Light Infantry Division units.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION MANASSAS, VIRGINIA		
4 PROJECT TITLE ARMORY ADDITION/ALTERATION		5 PROJECT NUMBER 1056

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started.............................. 5/85
(b) Percent Complete as of January 1986 .... 75%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete............................. 3/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications........... (0)
(b) All Other Design Costs........................... (0)
(c) Total.. (17)
(d) Contract... (17)
(e) In-house... (0)

(4) Construction Start.................................. 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15

1. COMPONENT ARNG	**FY 19**87 **GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1986
3. INSTALLATION AND LOCATION STAUNTON, VIRGINIA		4. AREA CONSTR COST INDEX .95

5. FREQUENCY AND TYPE OF UTILIZATION

NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH A TWO-DAY TRAINING ASSEMBLY PER MONTH

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG:	HARRISONBURG, (27 MILES)	60 PERSON ARMORY	12,937 SF	1954
	CHARLOTTESVILLE(35 MILES)	100 PERSON ARMORY	16,561 SF	1974
USAR:	CHARLOTTESVILLE(40 MILES)			

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171	ARMORY ADDITION/ ALTERATION	45,756	1,302	5/85	2/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

7 OCT 85
(Date)

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

NONE

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT ARNG	**FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION
STAUNTON, VIRGINIA

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	15	5	10		225	22	203
ACTUAL	15	5	10		SEE NOTE 1/		

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HEADQUARTERS, HEADQUARTERS COMPANY 1ST BRIGADE, 29TH LIGHT INFANTRY DIVISION UIC WV6VAA TPSN 03029	79	0 1/
DETACHMENT 1, COMPANY A, 3/116TH INFANTRY BATTALION UIC WXA3AI TPSN 03029	64	0 1/
(HEADQUARTERS, HEADQUARTERS COMPANY, 116TH INFANTRY BRIGADE WILL BE REORGANIZED IN JUL 1986 TO FORM THE ABOVE UNITS.)		(232)
DETACHMENT 1, COMPANY B, 129TH SIGNAL BATTALION UIC WV6231 TPSN 03029	27	42

(CONTINUED)

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
WHEELED VEHICLES	59	N/A
TRAILERS	32	N/A

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

STAUNTON, VIRGINIA

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 1055

12. RESERVE UNIT DATA (CONTINUED)

	AUTHORIZED	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
(IN JUL 86 THE 212TH SIGNAL DETACHMENT WILL BE REORGANIZED TO FORM THE ABOVE UNIT)		(42)
DETACHMENT 1, 229 MILITARY POLICE COMPANY UIC WXA7A1 TPSN 03029	55	0 1/

1/ ACTUAL VS AUTHORIZED STRENGTHS WILL BE AT 75% PRIOR TO AWARD OF CONSTRUCTION CONTRACT.

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION STAUNTON, VIRGINIA	4. PROJECT TITLE ARMORY ADDITION/ALTERATION

5. PROGRAM ELEMENT 55896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 1055	8. PROJECT COST ($000) 1,302

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY................................				1,161
ADDITION..................................	SF	29,576	36.32	(1,074)
ALTERATIONS................................	SF	16,180	5.37	(87)
SUPPORTING FACILITIES.........................				79
SITE PREPARATION.............................	LS	-	-	(6)
FINE GRADING, SEEDING & EROSION CONTROL......	LS	-	-	(3)
PAVEMENT FLEXIBLE............................	SY	5,445	10.00	(55)
FENCING......................................	LF	859	10.50	(9)
PLANTING.....................................	LS	-	-	(1)
UTILITIES (GAS, WATER, ELECT)................	LS	-	-	(4)
SIDEWALK.....................................	SF	500	2.50	(1)
SUBTOTAL.......................................				1,240
CONTINGENCY (5%)...............................				62
SUPERVISION, INSP&OVERHEAD-FED (1.45%)..NON ADD				(19)
TOTAL REQUEST..................................				1,302
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(15)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a specially designed masonry type addition to and alteration of the existing National Guard armory with built-up roof and concrete floors, complete with electrical, heating and mechanical system. Supporting facilities include extending utilities, pavements, fencing and sidewalks.

Air Conditioning: 3 tons

11. REQUIREMENT: 45,756 SF ADEQUATE: 0 SF SUBSTANDARD: 16,180 SF

PROJECT: This project will modify and add to the existing armory to provide rifle range, unit storage, locker room, food preparation and storage, learning center, and classroom areas which the facility is now lacking.

REQUIREMENT: Existing armory lacks the above noted space. Without this space the ability of the units to adequately function and train for their mission is seriously affected. This project will provide the necessary space for the units assigned the armory to meet their mobilization mission.

CURRENT SITUATION: The existing facility is lacking in these functional areas, plus the necessary circulation space.

IMPACT IF NOT PROVIDED: Failure to provide this space will jeopardize the ability of the units to function as required. The lack of rifle range, classrooms, and library areas will seriously hamper the ability of these units to maintain readiness and perform the functions of a headquarters unit.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

STAUNTON, VIRGINIA

4 PROJECT TITLE ARMORY ADDITION/ALTERATION	5 PROJECT NUMBER 1055

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a)	Date Design Started.............................	5/85
(b)	Percent Complete as of January 1986	75%
(c)	Percent Complete as of October 1986	100%
(d)	Date Design Complete............................	2/86

(2) Basis:

(a) Standard or Definitive Design - Yes No X

(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)

(a)	Production of Plans and Specifications...........	(0)
(b)	All Other Design Costs...........................	(0)
(c)	Total..	(48)
(d)	Contract...	(48)
(e)	In-house...	(0)

(4) Construction Start.................................. 5/87 month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	15

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT	FY 19__ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
ARNG		14 FEB 1985

3. INSTALLATION AND LOCATION

CAMP GUERNSEY (GUERNSEY), WYOMING

4. AREA CONSTR COST INDEX

1.08

5. FREQUENCY AND TYPE OF UTILIZATION

FACILITY IS UTILIZED FOR WEEKEND TRAINING THROUGHOUT THE ENTIRE YEAR. THIS SITE IS ALSO USED FOR ANNUAL TRAINING BY WYOMING ARMY NATIONAL GUARD TROOPS AND OTHER GUARD AND RESERVE TROOPS IN SURROUNDING STATES. THE SITE IS APPROVED AS A 1300 PERSON TRAINING AREA BY THE NATIONAL GUARD BUREAU

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

ARNG: CAMP GUERNSEY (ON SITE) ARMY NATIONAL GUARD MAJOR TRAINING SITE

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
722	MESS HALL REHABILITATION/ ADDITION	20,832 SF	641	7/85	3/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

4 DEC 85
(Date)

FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.

9. LAND ACQUISITION REQUIRED

NONE

0
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

FY 88	WATER TOWER	$450
FY 88	FIRE STATION AND AIRPORT OPERATIONS CENTER	$467
FY 90	ORGANIZATIONAL MAINTENANCE SHOP	$420
FY 91	MOTOR VEHICLE STORAGE BUILDING	$827
FY 91	UNIT TRAINING EQUIPMENT SITE	$451

"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED."

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Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO

1. COMPONENT ARNG	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION

CAMP GUERNSEY (GUERNSEY), WYOMING

11. PERSONNEL STRENGTH AS OF 15 NOV 85

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A				1,848	217	1,631
ACTUAL	N/A				1,806	218	1,588

12. RESERVE UNIT DATA

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
WYOMING ARMY NATIONAL GUARD TROOPS	1,848	1,806

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES

	($000)
A. AIR POLLUTION	NONE
B. WATER POLLUTION	NONE
C. OCCUPATIONAL SAFETY AND HEALTH	NONE

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 14 FEB 1986

3. INSTALLATION AND LOCATION CAMP GUERNSEY (GUERNSEY), WYOMING	4. PROJECT TITLE MESS HALL REHABILITATION/ADDITION

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	722	1189	641

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY....................................				610
REHABILITATE: UNIT MESS HALLS (10 EA)........	SF	16,380	27.60	(452)
CONSOLIDATED MESS HALL (1 EA)..	SF	3,792	27.60	(105)
ADDITION: LATRINE (11 EA).....................	SF	660	80.00	(53)
SUBTOTAL..				610
CONTINGENCY (5%)...................................				31
SUPERVISION, INSP&OVERHEAD-FED (1.52%)..NON ADD				(10)
TOTAL REQUEST..				641
EQUIP PROVIDED FROM OTHER FED APPR......NON ADD				(92)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Complete rehabilitation of specially designed facilities of permanent masonry type construction, composed of sandstone and concrete. All are one-story structures with built-up roof and concrete floors and will utilize the latest design and equipment available in the food service system. Also included as a part of the project is the addition of a latrine to all the mess halls.

Air Conditioning - None

11. REQUIREMENT: 20,832 SF ADEQUATE: 0 SF SUBSTANDARD: 20,172 SF

PROJECT: This project will better enable units of the Wyoming Army National Guard and other selected Reserve and Active Forces to accomplish the day-to-day operations of feeding assigned personnel. This project will also be utilized to fully train food service personnel in their assigned Military Occupational Specialty.

REQUIREMENT: This rehabilitation project is required to provide 20,832 SF of space to support the food service system for the unit personnel conducting training at this post. The mess hall area authorized provides the essential space required to effectively train food service personnel in their assigned Military Occupational Specialty and also accomplish all the Combat Readiness Objectives.

CURRENT SITUATION: The present mess halls consist of 20,172 SF. The 11 halls were constructed in 1936-1939 by the Works Progress Administration. These mess halls have not been altered or rehabilitated since being built. The buildings and all of the equipment is antiquated and require major construction rehabilitation. None of the mess halls and equipment currently meet Public Health Standards.

IMPACT IF NOT PROVIDED: Assigned units will be required to use the antiquated buildings and equipment, this will have an adverse effect on the Military

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION CAMP GUERNSEY (GUERNSEY), WYOMING		
4 PROJECT TITLE MESS HALL REHABILITATION/ADDITION		5 PROJECT NUMBER 1189

IMPACT IF NOT PROVIDED: (Continued)
Occupational Specialty training of mess personnel and also continue to impair the food service operations of troops utilizing Camp Guernsey. This deficiency of 20,832 SF in the mess hall area will have an adverse affect on troop morale and effect the retention and recruiting of personnel.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION CAMP GUERNSEY (GUERNSEY), WYOMING		
4 PROJECT TITLE MESS HALL REHABILITATION/ADDITION		5 PROJECT NUMBER 1189

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:
(a) Date Design Started............................. 7/85
(b) Percent Complete as of January 1986 .... 75%
(c) Percent Complete as of October 1986 .... 100%
(d) Date Design Complete........................... 3/86

(2) Basis:
(a) Standard or Definitive Design - Yes No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications.......... (0)
(b) All Other Design Costs.......................... (0)
(c) Total... (29)
(d) Contract.. (29)
(e) In-house.. (0)

(4) Construction Start................................ 5/87
month/year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
KITCHEN EQUIPMENT	BP 3723	FY 87	92

1. COMPONENT	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARNG		14 FEB 1986

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
APPROPRIATE ARMY NATIONAL GUARD INSTALLATIONS AS NECESSARY	MINOR CONSTRUCTION UNSPECIFIED

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	N/A	N/A	4,647

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Primary Facility				4,647
Minor Construction Facilities				(4,647)
Unspecified Locations				(0)
Supporting Facilities				0
Subtotal				4,647
Contingency (.00%)				
Total Contract Cost				4,647
Supervision, Inspection & Overhead (.00%)				
Total Request				4,647
Total Request (Rounded)				4,467
Installed Equipment - Other Appropriations				(0)

10. DESCRIPTION OF PROPOSED CONSTRUCTION Unspecified minor construction projects which have a funded cost of $400,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized.

11. REQUIREMENT: To provide funds for the construction of projects not otherwise authorized by law when the dollar costs are less than $400,000. Such requirements are the result of recognized facilities shortfalls, or unforeseen conditions resulting from changes in mission and equipment, or to correct damage caused by severe weather or other acts of nature. The dollar costs for correcting these identified shortfalls are such that they do not require specific authorization in the regular Military Construction Program for execution and exceed the minor construction limit of $100,000 authorized in Operations and Maintenance Programs for Guard and Reserve Components.

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARNG		14 FEB [illegible]

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55896A	000	86	19,000

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITY..............................				19,000
CONCEPT AND FINAL DESIGN				
FUTURE YEARS PROJECTS.....................				(16,750)
CONSTRUCTION SUPERVISION..................				(2,250)
SUPPORTING FACILITY...........................				0
SUBTOTAL......................................				19,000
CONTINGENCY (0.00%)...........................				0
TOTAL REQUEST.................................				19,000

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Items provide for concept and final design of construction for Army National Guard facilities. This item also provides for construction management of projects authorized for construction during fiscal year 1986 where the Army National Guard is the sole or primary user.

11. REQUIREMENT: None ADEQUATE: None SUBSTANDARD: None

REQUIREMENT: Funds requested are required for completing the outstanding final designs of Military Construction Army National Guard projects programed for execution during FY 88, for execution of the planned designs of the FY 89 program (minimum of 65 percent complete for each planned project) and for the advanced concept designs of the projects in the FY 90 program. The funding request reflects an increase over prior years but is required to achieve the mandated design status for projects programed during the cited fiscal years such that construction execution can be accomplished early in the programed year. The requested funding permits the designs of unspecified or undefined minor construction projects intended to be executed during FY 87, and provides for the means to represent the Federal interests during the execution of construction of authorized FY 87 projects intended for the sole or primary use of the Army National Guard.

Summary Project List
Army National Guard
Military Construction Program - FY 1987
Projects Costed at $400,000 and Less

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
	INSIDE THE UNITED STATES			
Alabama	Montgomery			
	USPFO Office Addition	360	360	259
	Various			
	Armory Unit Storage Buildings	375	375	259
Alaska	Camp Denali			
	USPFO Office Improvements	144	144	259
	Anchorage			
	Combined Support Maintenance Shop Sewer Line Extension	204	204	259
	Angoon			
	Scout Armory	184	184	260
	Savoogna			
	Scout Armory Expansion	193	193	260
Arizona	Papago			
	Range, Rifle Baffled	210	210	260
	Various			
	Armory Unit Storage Buildings	390	390	260
Arkansas	Camp Robinson			
	Range, 50 Caliber Scaled	107	107	261
	Dining Facility, Military Acad.	221	221	261
	Range, Record Fire	305	305	261
	Range, 25M Basic/Night Fire	166	166	262
	General Instruction Building	297	297	262
	Various			
	Armory Unit Storage Buildings	250	250	262
California	Camp San Luis Obispo			
	Range, Close Combat Course	184	184	263
	Various			
	Armory Unit Storage Buildings	500	500	263
	Long Beach			
	Organizational Maintenance Shop Modification	191	191	263
	Santa Barbara			
	Organizational Maintenance Shop Modification	125	125	263

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Florida	Avon Park			
	Range, 25 Meter Zero	109	109	264
	Range, Combat Pistol	165	165	264
	Daytona Beach			
	Armory Modification	389	389	264
	Lakeland			
	Training Set Fire Observation Building	116	116	265
	Pensacola			
	Organizational Maintenance Shop	307	307	265
	Various			
	Armory Unit Storage Buildings	315	315	265
Georgia	Various			
	Armory Unit Storage Buildings	486	486	265
Illinois	Chicago			
	Organizational Maintenance Shop Modification	346	346	266
	Marseilles			
	Facility Engineering Shop And Storage Buidling	208	208	266
Indiana	Camp Atterbury			
	Range, Record Fire M16	334	334	266
	Various			
	Armory Unit Storage Buildings	318	318	267
Iowa	Camp Dodge			
	Range, Field Fire	257	257	267
	Various			
	Armory Unit Storage Buildings	280	280	267
Kansas	Junction City			
	Armory Modification	353	353	268
	Nickell Barracks			
	Range, Record Fire M16	291	291	268
	Various			
	Armory Unit Storage Buildings	335	335	268
Louisiana	Monroe			
	Organaizational Maintenance Shop Modification	268	268	269
	Various			
	Armory Unit Storage Buildings	300	300	269

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Maine	Various Armory Unit Storage Buildings	503	503	269
Michigan	Augusta Range, M60 Transition	180	180	269
	Dearborn Organizational Maintenance Shop	297	297	270
	Various Armory Unit Storage Buildings	245	245	270
Minnesota	Willmar Organizational Maintenance Shop Modification	226	226	270
Missouri	Camp Clark Range, Combat Pistol	105	105	271
	Fort Crowder Range, Record Fire	231	231	271
	Fort Crowder Classrooms, Military	123	123	271
	Fort Crowder Range, Combat Pistol	105	105	272
	Various Armory Unit Storage Buildings	343	343	272
Montana	Billings Range, Multiple Purpose Indoor	315	315	272
	Glendive Range, Multiple Purpose Indoor	315	315	273
	Limestone Hills Range Support Facility	192	192	273
Nebraska	Gering Organizational Maintenance Shop	135	135	273
	Hastings Range, Field Fire	127	127	274
	Hastings Range, Tank Table VIIC	129	129	274
	Lincoln United States Property and Fiscal Office Addition	242	242	274
	Various Armory Unit Storage Buildings	283	283	275

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
New Jersey	Red Bank Organizational Maintenance Shop	211	211	275
	Vineland Organizational Maintenance Shop	183	183	275
New Mexico	Various Armory Unit Storage Buildings	209	209	275
New Hampshire	Various Armory Unit Storage Buildings	460	460	276
New York	Guilderland Training Facilities Phase II	305	305	276
	Various Armory Unit Storage Buildings	775	775	276
North Carolina	Various Armory Unit Storage Buildings	475	475	276
Ohio	Lima Organizational Maintenance Shop	324	324	277
	Piqua Organizational Maintenance Shop	312	312	277
	Various Armory Unit Storage Buildings	500	500	277
Oklahoma	Camp Gruber Range, Light Anti-Armor Weapons	147	147	277
	Various Armory Unit Storage Buildings	410	410	278
Oregon	Camp Adair Male/Female Latrines	304	304	278
	Various Armory Unit Storage Buildings	277	277	278
Pennsylvania	Indiana Range, 25 Meter Baffled	125	125	278
	Ridgeway Range, 25 Meter Baffled	125	125	278
Puerto Rico	Camp Santiago Range, Tank Table VI	190	190	279
	Camp Santiago Range, Combat Pistol	156	156	279
	Camp Santiago Bridge, Highway	148	148	279

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Rhode Island	Camp Fogerty Range, Rifle 175M Baffled	288	288	280
South Carolina	Hampton Logistical Facility, DAS 3 Class IX	128	128	280
	Various Armory Unit Storage Buildings	315	315	280
South Dakota	Mitchell Range, Pistol Baffled	221	221	280
	Sioux Falls Range, Pistol Baffled	221	221	281
	Various Armory Unit Storage Buildings	400	400	281
Tennessee	Catoosa WETS Range, Machine Gun/Demolition	138	138	281
	Various Armory Unit Storage Buildings	335	335	281
Texas	Austin Armory Modification	400	400	282
	Austin United States Property and Fiscal Office Addition	400	400	282
	Camp Maxey Range, Combat Pistol	126	126	282
	Camp Swift Range, M60/M2 Transition	312	312	282
	Camp Swift Range, M16 Record Fire	271	271	283
Utah	Camp Williams Range, Known Distance	135	135	283
	Camp Williams Range, Field Fire	179	179	283
	Camp Williams BOQ/BEQ Renovation	139	139	284
Vermont	Various Armory Unit Storage Buildings	350	350	284

State/Country	Installation and Project	Auth Amount	Approp Amount	DD Form 1391 Page No.
Virginia	Fredricksburg Organizational Maintenance Shop Modification	191	191	284
	Various Armory Unit Storage Buildings	460	460	284
Washington	Camp Murray United States Property and Fiscal Office Addition	302	302	285
Washington	Various Armory Unit Storage Buildings	332	332	285
Wisconsin	Camp Williams Logistical Facility, DAS 3 Class IX	110	110	285
	Various Armory Unit Storage Buildings	290	290	285
Wyoming	Camp Guernsey Range, Field Fire	175	175	286
	TOTALS	25533	25533	

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Alabama Montgomery (PN 450)	USPFO Office Addition	360

This project provides critically needed administrative space required for performing assigned logistical and fiscal functions in support of training of units to meet assigned missions. Included in this project is a new computer operations room complete with security and fire protection measures.

Station	Project Title	Cost ($000)
Alabama Eight Various Locations (PN 999)	Armory Unit Storage Buildings	375

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Albertville, Arab, Athens, Attala, Boaz, Bridgeport, Centre, Collinsville, Dora, Fort Payne, Gadsden and Guntersville.

Station	Project Title	Cost ($000)
Alaska Camp Denali (PN 136)	USPFO Office Improvements	144

This project provides critically needed administrative space required for performing assigned logistical and fiscal functions in support of training of units to meet assigned missions.

Station	Project Title	Cost ($000)
Alaska Anchorage (PN 126)	Combined Support Maintenance Shop Sewer Line Extension	204

This project connects facility sewer and storm drain systems to city systems to replace non-functioning septic system. This is necessary to comply with State wastewater and oil pollution statutes where the facility is in violation.

1 COMPONENT ARNG	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE [illegible]

3 INSTALLATION AND LOCATION
ARNG Installations, Various Locations

4 PROJECT TITLE
Projects Costed at $400,000 and Less

5 PROJECT NUMBER
Various

Station	Project Title	Cost ($000)
Alaska Angoon (PN 205)	Scout Armory	184

This project provides facilities adequate to perform necessary training of the assigned scout detachment. Administrative areas are included in this construction.

Station	Project Title	Cost ($000)
Alaska Savoonga (PN 208)	Scout Armory Expansion	193

This project provides facilities adequate to perform necessary training of the assigned scout detachment. Administrative areas are included in this construction.

Station	Project Title	Cost ($000)
Arizona Papago (PN 200)	Ranges, Rifle Baffled	210

This project provides needed safety baffling for Ranges #2 and #3 at Papago Military Reservation. The baffle systems will provide additional safety not only for guardsmen but also for nearby civilian neighborhoods and high traffic areas.

Station	Project Title	Cost ($000)
Arizona Seven Various Locations (PN 999)	Armory Unit Storage Buildings	390

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Glendale, Mesa, Papago Avn, Phoenix (Roosevelt) and Silverlake.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Arkansas Camp Robinson (PN 700)	Range, 50 Caliber Scaled (1/5)	107

This project will provide a scaled M2/50 caliber transition range for instruction, familiarization and qualification for units of the Arkansas ARNG, 11B NGB Battle Skills Course students, State Military Academy Candidates and other reserve component personnel utilizing Camp Robinson Training Facilities.

Arkansas Camp Robinson (PN 297)	Dining Facility, Military Academy	221

This project provides a one hundred sixty person dining facility required to support students attending classes at the Arkansas Army National Guard Military Academy. These classes are conducted weekends and two week sessions throughout the year. There are no nearby facilities available to the Academy to satisfy this requirement.

Arkansas Camp Robinson (PN 407)	Range, Record Fire	305

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1985

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE

Projects Costed at $400,000 and Less

5 PROJECT NUMBER

Various

Station	Project Title	Cost ($000)
Arkansas Camp Robinson (PN 409)	Range, 25Meter Basic/Night Fire	166

This range is for preparatory marksmenship training where soldiers can zero their rifles and obtain battlesight zero. Project consists of constructing up to fifty-five firing lanes with the silouette type targets mounted in fixed frames twenty-five meters away from the firing line. Safety berms are required on both sides of the range and behind the target line. The firing points will be configured as foxholes, stumps and sandbags. Support facilities include the control tower, concurrent training station, target storage building, military vehicle parking and associated utilities.

Station	Project Title	Cost ($000)
Arkansas Camp Robinson (PN 640)	General Instruction Building	297

This project provides the Arkansas Military Academy-Battle Skills Course with adequate facilities to accomodate the increased student enrollment. Currently the Academy has only one classroom.

Station	Project Title	Cost ($000)
Arkansas Eight Various Locations (PN 999)	Armory Unit Storage Buildings	250

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: North Little Rock, Dardanelle, Clarksville, Russellville, North Little Rock, Searcy, Blytheville, Pine Bluff and Charleston.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
California Camp San Louis Obispo (PN 1135)	Close Combat Course	164

This is a specially designed range complex utilizing various construction methods, including underground sewer pipe, pop-up targets, wood framing, sand filled tires/sandbags and supporting facilities to provide a close combat live fire training range. This project will support units of the California Army National Guard enabling them to complete training required for combat readiness objectives.

California Four Various Locations (PN 999)	Armory Unit Storage Buildings	500

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Vallejo, Barstow, Atascadero and Mt. Shasta.

California Long Beach (PN 304)	Organizational Maintenance Shop Modification	191

This project to modify the existing vehicle maintenance facility to provide office area, personnel area, shop partitions, doors, additional flourescent lighting, heat and adequate latrine facilities. Needed safety features such as vehicle exhaust evacuation system, deluge shower and eyewash station will be constructed.

California Santa Barbara (PN 309)	Organizational Maintenance Shop Modification	125

This project to modify exisiting vehicle maintenance facility by constructing additional work bays and alter existing space to provide for critically needed supply room, toolroom, personnel and office space. Supporting facilities include vehicle wash platform, fuel dispensing system, lubrication and inspection rack.

1 COMPONENT ARNG	FY 19 8__ MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB [illegible]

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Florida Avon Park (PN 365)	Range, 25 Meter Zero	109

This range is for preparatory marksmanship training where soldiers can zero their rifles and obtain battlesight zero. Project consists of constructing up to fifty-five firing lanes with the silouette type targets mounted in fixed frames twenty-five meters away from the firing line. Safety berms are required on both sides of the range and behind the target line. The firing points will be configured as foxholes, stumps and sandbags. Support facilities include the control tower, concurrent training station, target storage building, military vehicle parking and associated utilities.

Station	Project Title	Cost ($000)
Florida Avon Park (PN 366)	Range, Combat Pistol	165

This range is used for instructional, familiarization and pistol qualification firing. Project consists of constructing up to fifteen firing lanes, with each lane eight meters wide, a target area width of one hundred twenty meters and a minimum depth of ninety meters. The firing points will be slightly raised and each firing lane will have seven electrically operated silhouette type targets. Support facilities include the control tower, target storage building, concurrent training station, military vehicle parking and required utilities. Site preparation requirements and number of firing points will influence costs for specific locations.

Station	Project Title	Cost ($000)
Florida Daytona Beach (PN 330)	Armory Modification	389

This project will replace an inadequate National Guard Armory by relocating Army National Guard units to an existing Federally owned facility, occupying excess space therein which was formerly occupied by the United States Naval Reserve. This facility will be jointly used by the United States Army Reserve and the Army National Guard. Modification of existing facility is required.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Florida Lakeland (PN 810)	Training Set Fire Observation Building	116

This project, an armory addition, is required to accommodate a Training Set, Fire Observation (TSFO) at the Lakeland Armory. This facility will provide the necessary classroom, administration and operational space for the TSFO. The facility will permit the training of Field Artillery in techniques of adjusting artillery fire upon targets. This acility will improve the training and readiness posture of the individuals and units using this trainer.

Station	Project Title	Cost ($000)
Florida Pensacola (PN 334)	Organizational Maintenance Shop	307

This project will construct a new maintenance shop to replace the current shop which is a dated quonset hut and canvas maintenance shelter. The current facility is totally inadequate in all functional, support and safety areas.

Station	Project Title	Cost ($000)
Florida Nine Various Locations (PN 999)	Armory Unit Storage Buildings	315

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Eustis, North Miami, Fort Lauderdale, Perry, Leesburg, Defuniak Springs and Dade City.

Station	Project Title	Cost ($000)
Georgia Ten Various Locations (PN 999)	Armory Unit Storage Buidings	486

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Sandersville, Toccoa, Forsyth, Milledgeville, Jackson, Thomson, Lavonia, Douglasville, Cedartown and Winder(Airport).

1 COMPONENT
ARNG

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2 DATE
14 FEB [illegible]

3 INSTALLATION AND LOCATION
ARNG Installations, Various Locations

4 PROJECT TITLE
Projects Costed at $400,000 and Less

5 PROJECT NUMBER
Various

Station	Project Title	Cost ($000)
Illinois Chicago (PN 361)	Organizational Maintenance Shop Modifications	346

This project rehabilitates two vehicle maintenance shops to provide adequate areas as folows: administrative, restrooms, locker rooms, break rooms, supply rooms, tool rooms, work bays, flammable storage rooms and battery rooms. In additon lubrication and inspection racks, welding benches and hoods, and a diesel fueling facility will be provided. The result of the above will be a facility that meets current construction and safety criteria.

Illinois Marseilles (PN 688)	Facility Engineer Shop And Storage Building	208

This project is a new facility to house the "Post Engineeer" functions of Camp Lincoln, Illinois. This will consist of a facilities engineering workshop and storage building to include work areas, equipment maintenance bays, materials storage and administrative areas to perform day-to day maintenance in support of the Camp Lincoln Training Site.

Indiana Camp Atterbury (PN 1095)	Range, Record Fire M-16	334

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Indiana Six Various Locations (PN 999)	Armory Unit Storage Buildings	318

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Bloomington, Terre Haute, Danville, Logansport, Vincennes and Frankfort.

Station	Project Title	Cost ($000)
Iowa Camp Dodge (PN 201)	Range, Field Fire	257

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

Station	Project Title	Cost ($000)
Iowa Eight Various Locations (PN 999)	Armory Unit Storage Buildings	260

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Esterville, Red Oak, Muscatine, Camp Dodge, Hampton, Charles City, Oelwein, and Spencer.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Kansas Junction City (PN 250)	Armory Modification	353

Alterations and additions to existing armory are necessary to provide required mission support for units of the 35 INF Division. The reorganization of the Division stations an additional Armor Unit within this sixty-person armory.

Station	Project Title	Cost ($000)
Kansas Nickell Barracks (PN 1066)	Range, Record Fire M-16	291

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

Station	Project Title	Cost ($000)
Kansas Ten Various Locations (PN 999)	Armory Unit Storage Buildings	355

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Iola, Ft Scott, Colby, Cherryvale, Chanute, Burlington, Neodesha, Lawerence, Pleasanton and Emporia.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Louisiana Monroe (PN 403)	Organizational Maintenance Shop Modification	268

Project consists of renovation of existing space and additions to the building for locker, break, supply and tool rooms. Flammable materials storage will be separate building. Additional lubrication rack will be constructed, existing rack to be relocated. New wash platform will be constructed to comply with EPA regulations.

Station	Project Title	Cost ($000)
Louisiana Twelve Various Locations (PN 999)	Armory Unit Storage Buildings	300

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Bastrop, Marksville, Minden, Oakgrove, Ruston, West Monroe, Winnsboro, Pineville, Baker, Covington, Donaldsville and Franklinton.

Station	Project Title	Cost ($000)
Maine Nine Various Locations (PN 999)	Armory Unit Storage Buildings	503

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Bangor Int'l Airport, Calais, Caribou, Houlton, Lewiston, Newport, Presque, Saco and Skowhegan.

Station	Project Title	Cost ($000)
Michigan Augusta (PN 611)	Range, M60 Transition	160

A new four-lane (M60) machine gun transition range to support the essential machine gun crew training requirement of the Michigan National Guard units. Supporting structure to include range tower, ammunition breakdown building, mess shelter and administrative/storage building.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Michigan Dearborn (PN 903)	Organizational Maintenance Shop	297

A new maintenance shop to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop. Shop consisits of work bays, supply room, tool room, latrine and break areas. Required safety stations and structures are included.

Michigan Eleven Various Locations (PN 999)	Armory Unit Storage Buildings	245

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Pontiac, Port Huron, Adrian, Baraga, Gladstone, Ironwood, Ishpeming, Marquette, Big Rapids, Cadiallac, and Manistee.

Minnesota Willmar (PN 853)	Organizational Maintenance Shop Modification	226

This project constructs an addition to the existing shop and alters a portion of the original shop to bring the facility into compliance with current construction and safety criteria to properly support the units assigned for support. Foreman's area, battery room, latrines, supply room, commo/electronics room, tool room and locker room will be provided.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 ' FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Missouri Camp Clark (PN 500)	Range, Combat Pistol	105

This range is used for instructional, familiarization and pistol qualification firing. Project consists of constructing up to fifteen firing lanes, with each lane eight meters wide, a target area width of one hundred twenty meters and a minimum depth of ninety meters. The firing points will be slightly raised and each firing lane will have seven electrically operated silhouette type targets. Support facilities include the control tower, target storage building, concurrent training station, military vehicle parking and required utilities. Site preparation requirements and number of firing points will influence costs for specific locations.

Missouri Fort Crowder (PN 102)	Range, Record Fire	231

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

Missouri Fort Crowder (PN 612)	Classrooms, Military	123

This project supports military education at Fort Crowder. This project is in accordance with the Fort Crowder Master Plan.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Missouri Fort Crowder (PN 502)	Range, Combat Pistol	105

This range is used for instructional, familiarization and pistol qualification firing. Project consists of constructing up to fifteen firing lanes, with each lane eight meters wide, a target area width of one hundred twenty meters and a minimum depth of ninety meters. The firing points will be slightly raised and each firing lane will have seven electrically operated silhouette type targets. Support facilities include the control tower, target storage building, concurrent training station, military vehicle parking and required utilities. Site preparation requirements and number of firing points will influence costs for specific locations.

Station	Project Title	Cost ($000)
Missouri Six Various Locations (PN 999)	Armory Unit Storage Buildings	343

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Kansas City, Clinton Marshal, Maryville, Richmond, and Moberly.

Station	Project Title	Cost ($000)
Montana Billings (PN 1114)	Range, Multi-Purpose Indoor	315

This project consists of a two-firing lane Mini-Tank Range located inside a masonry concrete building with supporting facilities to include range control console, crew briefing/critique room, storage room, lighting and forced air gas heating. This facility will provide armored cavalry regiment personnel with all-weather capability to conduct Tank Tables I-VP and a Tank Crew proficiency range located to accommodate the highest desity of Tank Crews. Also designed to house Dragon/Tow trainers as they become available.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Montana Glendive (PN 1116)	Range Multi-Purpose Indoor	315

This project consists of a two-firing lane Mini-Tank Range located inside a masonry concrete building with supporting facilities to include range control console, crew briefing critique room, storage room, lighting and forced air gas heating. This facility will provide armored cavalry regiment personnel with all-weather capability to conduct Tank Tables I-VP and a Tank Crew proficiency range located to accommodate the highest desity of Tank Crews. Also designed to house Dragon Tow trainers as they become available.

Montana Townsend (PN 1016)	Range Support Facility	192

This project provides support facilities that will provide for construction, repair and stroage of various targets and complex target systems required to support several ranges. A facility to provide training site maintenance for all vehicles and related combat equipment to include weaponry.

Nebraska Gering (PN 322)	Organizational Maintenance Shop Modification	135

This project will consist of the alteration of the existing facility and the addition of office, latrine, breakroom and supply room area. Alteration will provide for battery room, tool room and bulky equipment room. The resulting facility will then meet OSHA standards.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1985
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Nebraska Hastings (PN 300)	Range, Field Fire	127

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

Nebraska Hastings (PN 305)	Range, Tank Table VIIC	129

This project provides an offensive combat course that teaches the crew to engage moving and stationary targets with all tank-mounted weapons (day and night) utilizing subcaliber firing devices. As part of the bounding element of the platoon (simulated), the tank crew moves out on a course, engaging targets as they appear with the appropriate weapons.

Nebraska Lincoln (PN 320)	United States Property and Fiscal Office Addition	242

This project provides critically needed administrative space required for performing assigned logistical and fiscal functions in support of training of units to meet assigned missions. Included in this project is a new computer operations room complete with security and fire protection measures.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Nebraska Six Various Locations (PN 999)	Armory Unit Storage Bldgs	283

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Wahoo, Seward, Omaha, Norfolk, Lincoln and York.

New Jersey Red Bank (PN 501)	Organizational Maintenance Shop	211

This project modifies an existing facility to provide an office, latrine locker room, break room, supply room and tool room. A wash platform will also be provided.

New Jersey Vineland (PN 489)	Organizational Maintenance Shop	163

This project expands and alters an existing facility to add one work bay and admministrative work area. Also provided are required rest room, locker room and battery room.

New Mexico Five Various Locations (PN 999) -	Armory Unit Storage Bldgs	209

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Springer, Carlsbad, Lordsburg, Taos, and Truth or Consequences.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
New Hampshire Four Various Locations (PN 999)	Armory Unit Storage Bldgs	460

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Franklin, Dover, Plymouth and Woodsville.

Station	Project Title	Cost ($000)
New York Guilderland (PN 1060)	Training Facilities Phase II	305

This project will provide a facility necessary to train personnel of the New York Army National Guard in urban battle skills. Supporting facilities include a vehicle parking area, hard stand, and access roads.

Station	Project Title	Cost ($000)
New York Seven Various Locations (PN 999)	Armory Unit Storage Bldgs	775

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Newburgh, Kingston, Staten Island, Carthage, Schenectady, Hempstead and Binghamton.

Station	Project Title	Cost ($000)
North Carolina Ten Various Locations (PN 999)	Armory Unit Storage Bldgs	475

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Clinton, Hickory, Greenville, Gastonia, Salisbury, Mount Olive, Butner, Ahoski, Clyde and Elizabethtown.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Ohio Lima (PN 214)	Organizational Maintenance Shop	324

A new maintenance shop to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop. Shop consisits of work bays, supply room, tool room, latrine and break areas. Required safety stations and structures are included.

Ohio Piqua (PN 854)	Organizational Maintenance Shop	312

A new maintenance shop to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop. Shop consisits of work bays, supply room, tool room, latrine and break areas. Required safety stations and structures are included.

Ohio Eleven Various Locations (PN 999)	Armory Unit Storage Bldgs	500

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Xenia, Cincinnati, Springfield, Cleveland (Green Road), Cleveland (Brookpark), Toledo (Secor Road), Toledo (Walbridge) and Lebanon.

Oklahoma Camp Gruber (PN 600)	Range, Light Anti-Armor Weapons	147

This project consists of constructing 10 firing points with each down-range lane width of 110 meters and depth of 450 meters. Cleared danger areas must be provided at weapons firing points and at each target location. Targets are usually old vehicles or wooden silhouettes. Supporting facilities include control tower, access road to firing line, military vehicle parking area and associated utilities. This range is used to train soldiers skills needed to defeat armored vehicles.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Oklahoma		
Thirteen Various Locations (PN 999)	Armory Unit Storage Bldgs	410

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Seminole, Wewoka, Shawnee, Ada, Pauls Valley, Tishomingo, Madill, Atoka, Duncan, Chickasha Altus, Alva and Oklahoma City (44th St).

Station	Project Title	Cost ($000)
Oregon		
Camp Adair (PN 1006)	Male and Female Latrines Safety Berm	304

This project constructs two concrete latrines with both male and female facilities. Covered firing lines and range baffles (safety berms, etc.) for both ranges will also be constructed.

Station	Project Title	Cost ($000)
Oregon		
Six Various Locations (PN 999)	Armory Unit Storage Bldgs	277

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Portland(Kliever), Portland(Tigard), Salem(AASF), Grants Pass, Camp Rilea and Medford.

Station	Project Title	Cost ($000)
Pennsylvania		
Indiana (PN 1091)	Range, 25 Meter Baffled	125

This project constructs a 25 Meter, 12 firiing point, M-16 Rifle Range (Baffled) to provide for units' personnel to become qualified with M-16 rifle and pistols. The Baffle System will be constructed of steel joints and angled steel plate. Drainage will be provided.

Station	Project Title	Cost ($000)
Pennsylvania		
Ridgeway (PN 1079)	Range, 25 Meter Baffled	125

This project constructs a 25 Meter, 12 firiing point, M-16 Rifle Range (Baffled) to provide for units' personnel to become qualified with M-16 rifle and pistols. The Baffle System will be constructed of steel joints and angled steel plate. Drainage will be provided.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE [illegible]
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Puerto Rico Camp Santiago (PN 603)	Range, Tank Table VI	190

Construct a range to train tank crews the fundamentals of target engagement using the machine gun or main gun. This range can be scaled for use with sub-caliber weapons. All training is conducted in stationary tanks. Up to fifteen concrete tank firing pads are constructed. Remote operated target(s) are built 1000 to 3000 meters down range. The firing positions should be elevated such that they present a clear view of the full range. Moving simulated vehicle targets are provided to train the crews on means to engage enemy tanks. Supporting facilities include control tower, access roads and tank parking areas, target storage buildings and associated utilities.

Puerto Rico Camp Santiago (PN 1101)	Range, Combat Pistol	156

This range is used for instructional, familiarization and pistol qualification firing. Project consists of constructing up to fifteen firing lanes, with each lane eight meters wide, a target area width of one hundred twenty meters and a minimum depth of ninety meters. The firing points will be slightly raised and each firing lane will have seven electrically operated silhouette type targets. Support facilities include the control tower, target storage building, concurrent training station, military vehicle parking and required utilities. Site preparation requirements and number of firing points will influence costs for specific locations.

Puerto Rico Camp Santiago (PN 554)	Bridge, Highway	148

This project constructs a two-way, Multi-Plate bridge structure, to replace the existing one-lane Bailey Bridge. The new bridge will meet capacity requirements to permit the crossing of heavy engineering equipment and artillery weapons.

1 COMPONENT
ARNG

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2 DATE
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3 INSTALLATION AND LOCATION
ARNG Installations, Various Locations

4 PROJECT TITLE
Projects Costed at $400,000 and Less

5 PROJECT NUMBER
Various

Station	Project Title	Cost ($000)
Rhode Island Camp Fogarty (PN 1003)	Range, Rifle 175 Meter Baffled	288

This project constructs a twenty-five point, 175 Meter, firing range with 25 Meter zero range overlayed, baffles, safety berms and supporting facilities. Supporting facilities will include latrines, target preparation area, target storage area, renovated tower, parking areas and utilities.

South Carolina Hampton (PN 304)	Logistical Facility, DASB, CLIX	126

Constructs a new facility to provide space to administer and operate a Class IX supply operation. Also provides inside and covered outside storage for parts vans. Building will be heated with air conditioned office space and be equipped with loading dock. Necessary fencing, utilities and hardstand will be provided.

South Carolina Eleven Various Locations (PN 999)	Armory Unit Storage Bldgs	315

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Orangeburg, Kingstree, Greenville, Greer, Columbia, Bamberg, Batesburg, Camden, Eastover, Georgetown and Laurens.

South Dakota Mitchell (PN 1099)	Range, Pistol Baffled	221

This range is used for instructional, familiarization and pistol qualification firing. Project consists of constructing up to fifteen firing lanes, with each lane eight meters wide, a target area width of one hundred twenty meters and a minimum depth of ninety meters. The firing points will be slightly raised and each firing lane will have seven electrically operated silhouette type targets. Support facilities include the control tower, target storage building, concurrent training station, military vehicle parking and required utilities. Site preparation requirements and number of firing points will influence costs for specific locations.

1 COMPONENT
ARNG

FY 1987 MILITARY CONSTRUCTION PROJECT DATA

2 DATE
14 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE

Projects Costed at $400,000 and Less

5 PROJECT NUMBER

Various

Station	Project Title	Cost ($000)
South Dakota Sioux Falls (PN 910)	Range, Pistol Baffled	221

This range is used for instructional, familiarization and pistol qualification firing. Project consists of constructing up to fifteen firing lanes, with each lane eight meters wide, a target area width of one hundred twenty meters and a minimum depth of ninety meters. The firing points will be slightly raised and each firing lane will have seven electrically operated silhouette type targets. Support facilities include the control tower, target storage building, concurrent training station, military vehicle parking and required utilities. Site preparation requirements and number of firing points will influence costs for specific locations.

South Dakota Twelve Various Locations (PN 999)	Armory Unit Storage Bldgs	400

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Aberdeen, Chamberlain, Lemmon, Madison, Milbank, Mitchell, Parkston, Piere, Platte, Spearfish, Springfield and Watertown.

Tennessee Catoosa WETS (PN 1138)	Range, Machine Gun Demolition	138

This project constructs a machine gun range with 10 firing points to provide ten meter firing. A bermed impact area and baffeling will be installed. Also to be constructed is a two-point demolitions and explosives range with supporting facilities to include demonstration area, parking and access roads.

Tennessee Eight Various Locations (PN 999)	Armory Unit Storage Bldgs	335

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Memphis, Jackson, Centerville, Morristown, Cookeville, Martin and Tullahoma.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Texas Austin (PN 116)	Armory Modification	400

This project alters and rehabilitates portions of two buildings into open bay administrative space to be used by Personnel Service Company and Finance Center. Necessary administration and storage areas will be provided.

Texas Austin (PN 650)	United States Property and Fiscal Office Addition	400

This project provides critically needed administrative space required for performing assigned logistical and fiscal functions in support of training of units to meet assigned missions. Included in this project is a new computer operations room complete with security and fire protection measures.

Texas Camp Maxey (PN 803)	Range, Combat Pistol	126

This range is used for instructional, familiarization and pistol qualification firing. Project consists of constructing up to fifteen firing lanes, with each lane eight meters wide, a target area width of one hundred twenty meters and a minimum depth of ninety meters. The firing points will be slightly raised and each firing lane will have seven electrically operated silhouette type targets. Support facilities include the control tower, target storage building, concurrent training station, military vehicle parking and required utilities. Site preparation requirements and number of firing points will influence costs for specific locations.

Texas Camp Swift (PN 660)	Range, M60/M2 Transition	312

A new eight-lane (M60) machine gun transition range to support the essential machine gun crew training requirement of the Texas National Guard units. Supporting structure to include range tower, ammunition breakdown building, latrine, target storage building and target holding mechanisms.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Texas Camp Swift (PN 662)	Range, M-16 Record Fire	271

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

Utah Camp Williams (PN 550)	Range, Known Distance	135

This project constructs a new known distance range to provide for individual and unit qualifications. Twenty firing lanes will be constructed. This construction includes the establishment of 600 meter and 1000 meter firing lines.

Utah Camp Williams (PN 551)	Range, Field Fire	179

This range is used to simulate combat environments and for weapons qualifications. The project consists of constructing up to sixteen firing lanes at thirty meters per lane and a clear area three hundred ten meters deep. Each firing point will be foxholes and numbered markers, with seven elevating silhouette targets for each lane loacted at the fifty meter points up to three hundred meters. Supporting facilities include the control tower, safety berms, ready areas, military parking area, target storage building and associated utilities. This range can also be outfitted with lights, public address systems and other safety measures to train soldiers for night rifle engagements. The actual site conditions and number of firing lanes will influence the costs at specific locations.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 1 4 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE	5 PROJECT NUMBER
Projects Costed at $400,000 and Less	Various

Station	Project Title	Cost ($000)
Utah		
Camp Williams (PN 601)	BOQ/BEQ Renovation	139

This project remodels an existing open-bay troop barracks into Visiting Senior NCO's and Junior Officer's Quarters. Two buildings will be remodeled. These buildings are structurally sound and have been sided with aluminum siding and have been reroofed.

Station	Project Title	Cost ($000)
Vermont		
Four Various Locations (PN 999)	Armory Unit Storage Buildings	350

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Berlin, Camp Johnson #1, Camp Johnson #890 and Swanton.

Station	Project Title	Cost ($000)
Virginia		
Fredricksburg (PN 503)	Organizational Maintenance Shop Modification	191

This project modifies and adds to existing facility. The addition of supply and administrative space and the construction of one new work bay to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop.

Station	Project Title	Cost ($000)
Virginia		
Ten Various Locations (PN 999)	Armory Unit Storage Buildings	460

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Chesapeake, Sandston(Byrd Field), Norfolk, Emporia, Danville, Richlands, Franklin, Chatham, Farmville and Altavista.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986

3 INSTALLATION AND LOCATION

ARNG Installations, Various Locations

4 PROJECT TITLE Projects Costed at $400,000 and Less	5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Washington Camp Murray (PN 1516)	United States Property And Fiscal Office Addition	302

This project adds space aurhorized for logistics, comptroller and purchasing and contracting. Necessary mechanical and electrical systems will be included in this construction.

Washington Seven Various Locations (PN 999)	Armory Unit Storage Buildings	332

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: AASF #1 & Greyfield, Kent, Snohomish, Yakima, Montesand, Seattle and Ephrata.

Wisconsin Camp Williams (PN 614)	Logistical Facility DAS3 ClassIX	110

This project consists of rehabilitation and upgrading of existing warehouse to provide continuing operation of the DAS 3 and Class IX supply functions to non-brigade units in the state. Heat, lights and latrine facilities will be provided.

Wisconsin Ten Various Locations (PN 999)	Armory Unit Storage Buildings	290

These buildings will relieve armory storage problems created when revised tables of organizational equipment were modernized and when unit priorities were increased requiring issue of all equipment authorized. Locations are as follows: Elkhorn, Fort Atkinson, Janesville, Oak Creek, Appleton, Green Bay, Marinette, Wapun, Phillips and Rhinelander.

1 COMPONENT ARNG	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 14 FEB 1986
3 INSTALLATION AND LOCATION ARNG Installations, Various Locations		
4 PROJECT TITLE Projects Costed at $400,000 and Less		5 PROJECT NUMBER Various

Station	Project Title	Cost ($000)
Wyoming Camp Guernsey (PN 500)	Range, Field Fire	175

This project consists of the construction of a thirty-five firing position field fire range. The target area provides for elevating mechanisms and includes concrete holders for stationary targets. The safety wall will be an earthen berm.The purpose of the range is to permit soldiers to develope speed in target engagement and develope confidence in his combat abiliites.

DEPARTMENT OF ARMY

MILITARY CONSTRUCTION PROGRAM

FY 1987

UNITED STATES ARMY RESERVE

JUSTIFICATION DATA SUBMITTED TO CONGRESS

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Department of the Army
Military Construction Army Reserve Program - FY 1987
Index of Locations
(Dollars in Thousands)

State/ Country	Location and Installation	Author. Amount	Approp. Amount	DD Form 1391 Page No.
	INSIDE THE UNITED STATES			
Arkansas	Camp Robinson			
	Water System Improvement (Joint w/NGB)	150	150	II-3
	Fort Chaffee			
	Army Reserve Center	2,600	2,600	II-7
	North Little Rock			
	1500-Mbr AFRC w/OMS/AMSA	7,486	7,486	II-11
	Subtotal	10,236	10,236	
California	Oakland			
	Add/Alt 1200-Mbr USARC w/OMS	2,986	2,986	II-16
	Santa Ana			
	Add/Alt AFRC w/OMS	1,158	1,158	II-20
	Van Nuys			
	Maintenance Shop/Kitchen Additions	300	300	II-106
	West Los Angeles			
	Add/Alt 800-Mbr USARC	3,648	3,648	II-24
	Subtotal	8,092	8,092	
Florida	Perrine			
	800-Mbr USARC w/Medical Wing/OMS	6,700	6,700	II-28
	Subtotal	6,700	6,700	

Department of the Army
Military Construction Army Reserve Program - FY 1987
Index of Locations
(Dollars in Thousands)

State/ Country	Location and Installation	Author. Amount	Approp. Amount	DD Form 1391 Page No.
Illinois	Joliet			
	Weekend Training Site/ Ranges	4,765	4,765	II-32
	Subtotal	4,765	4,765	
Iowa	Ottumwa			
	Land Acquisition	60	60	II-106
	Subtotal	60	60	
Indiana	South Bend			
	Add/Alt 400-Mbr USARC/ OMS/AMSA	3,511	3,511	II-37
	Subtotal	3,511	3,511	
Kansas	Kansas City			
	Add/Alt 300-Mbr USARC	1,548	1,548	II-41
	Manhattan			
	Add/Alt 100-Mbr USARC/ OMS	1,522	1,522	II-45
	Parsons			
	Add/Alt USARC w/OMS	1,534	1,534	II-49
	Subtotal	4,604	4,604	
Maine	Saco			
	Add/Alt 100-Mbr USARC/ OMS	1,129	1,129	II-53
	Subtotal	1,129	1,129	

Department of the Army
Military Construction Army Reserve Program - FY 1987
Index of Locations
(Dollars in Thousands)

State/ Country	Location and Installation	Author. Amount	Approp. Amount	DD Form 1391 Page No.
Massachusetts	Fort Devens			
	Equipment Concentration Site	360	360	II-106
	Subtotal	360	360	
Michigan	Kalamazoo			
	Land Acquisition	110	110	II-106
	Saginaw			
	AFRC (Joint w/Naval Reserve)	3,070	3,070	II-57
	Subtotal	3,180	3,180	
Minnesota	St. Cloud			
	Land Acquisition	255	255	II-106
	Subtotal	255	255	
New York	Newburgh			
	700-Mbr USARC/OMS/AMSA	5,485	5,485	II-61
	Schenectady			
	Maintenance Activity/ Kitchen Additions	165	165	II-107
	Subtotal	5,650	5,650	

Department of the Army
Military Construction Army Reserve Program - FY 1987
Index of Locations
(Dollars in Thousands)

State/ Country	Location and Installation	Author. Amount	Approp. Amount	DD Form 1391 Page No.
North Carolina	Durham			
	Land Acquisition	90	90	II-107
	Fort Bragg			
	ECS/AMSA	2,946	2,946	II-65
	Statesville			
	Land Acquisition	35	35	II-107
	Subtotal	3,071	3,071	
Pennsylvania	Clinton			
	Local Training Area	476	476	II-70
	Lewisburg			
	60-Mbr USARC w/OMS	1,296	1,296	II-74
	Schuylkill Haven			
	Add/Alt 200-Mbr USARC w/OMS	2,089	2,089	II-78
	Subtotal	3,861	3,861	
South Carolina	Florence			
	Land Acquisition	200	200	II-107
	Orangeburg			
	Land Acquisition	75	75	II-107

Department of the Army
Military Construction Army Reserve Program - FY 1987
Index of Locations
(Dollars in Thousands)

State/ Country	Location and Installation	Author. Amount	Approp. Amount	DD Form 1391 Page No.
South Carolina	Rock Hill			
	Land Acquisition	20	20	II-107
	Subtotal	295	295	
Texas	Camp Bullis			
	Military Intelligence Consolidated Training Facility	1,918	1,918	II-82
	Fort Sam Houston			
	Reserve Center Alteration	145	145	II-108
	Sinton			
	Reserve Center Addition	190	190	II-108
	Subtotal	2,253	2,253	
Utah	Provo			
	Storage Building	110	110	II-108
	Subtotal	110	110	
Virginia	Fort Lee			
	Add/Alt 400-Mbr USARC	2,299	2,299	II-87
	Subtotal	2,299	2,299	
Washington	Bothell			
	600-Mbr USARC	3,400	3,400	II-91
	Subtotal	3,400	3,400	

Department of the Army
Military Construction Army Reserve Program - FY 1987
Index of Locations
(Dollars in Thousands)

State/ Country	Location and Installation	Author. Amount	Approp. Amount	DD Form 1391 Page No.
Wisconsin	Fond du Lac			
	150-Mbr USARC, Tank Training Facility	1,562	1,562	II-95
	Racine			
	Land Acquisition	235	235	II-108
	Subtotal	1,797	1,797	
	OUTSIDE THE UNITED STATES			
Guam	Apra Heights			
	ECS/AMSA w/OMS Alterations	888	888	II-99
	Subtotal	888	888	
Puerto Rico	Fort Allen			
	600-Mbr USARC/OMS/DS/GS/ ECS	7,784	7,784	II-103
	Subtotal	7,784	7,784	
	Subtotal Major Construction	74,300	74,300	
Support	Minor Construction	1,100	1,100	II-109
	Planning and Design	11,300	11,300	II-110
	Grand Total Authorization/ TOA	86,700	86,700	

DEPARTMENT OF THE ARMY
JUSTIFICATION OF ESTIMATES FY 1986

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army Reserve as authorized by Chapter 133 of Title 10, United States Code and military construction authorization Acts, $86,700,000 ($61,346,000) (1) (2), to remain available until September 30, (1990) 1991. (Military Construction Appropriation Act, 1985, as included in Public Law 99-173; additional authorizing legislation to be proposed.)

(1) Insertion of 1987 request.

(2) Deletion of FY 1986 appropriation.

Mil. Con., Army Reserve
Program and Financing (in Thousands of dollars)

Identification code 21-2086-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed) 1985 actual	1986 est.	1987 est.	Obligations 1985 actual	1986 est.	1987 est.
Program by activities:						
Direct program:						
00.0101 Major construction	55,256	48,341	74,300	51,102	54,658	71,448
00.0201 Minor construction	3,550	3,400	1,100	5,048	3,473	1,666
00.0301 Planning	8,500	9,605	11,300	7,554	9,346	10,769
10.0001 Total	69,306	61,346	86,700	63,704	67,477	83,883
Financing:						
17.0001 Recovery of prior year obligations				-36		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-16,260	-21,548	-15,417
21.4007 Reprograming from/to prior year budget pla	-352					
Unobligated balance available, end of year:						
24.4002 For completion of prior year budget plans				21,548	15,417	18,234
25.0001 Unobligated balance lapsing	352			352		
40.0001 Budget authority (Appropriation)	69,306	61,346	86,700	69,306	61,346	86,700
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				63,704	67,477	83,883
72.4001 Obligated balance, start of year				43,654	50,945	55,733
74.4001 Obligated balance, end of year				-50,945	-55,733	-79,137
77.0001 Adjustments in expired accounts				-31		
78.0001 Adjustments in unexpired accounts				-36		
90.0001 Outlays				56,345	62,689	60,479

Mil. Con., Army Reserve

Object Classification (in Thousands of dollars)

Identification code 21-2086-0-1-051 REPORT 20 04 Feb 86 PAGE 232

Identification code 21-2086-0-1-051		1985 actual	1986 est.	1987 est.
	Direct obligations:			
	Personnel compensation:			
111.101	Full-time permanent	3,611	3,182	3,182
111.901	Total personnel compensation	3,611	3,182	3,182
112.101	Personnel Benefits: Civilian personnel	442	482	482
121.001	Travel and transportation of persons	169	189	225
122.001	Transportation of things	3		
123.101	Standard level user charges	53	55	66
124.001	Printing and reproduction	55	72	85
	Other services:			
125.004	Other	13,120	15,120	18,158
126.001	Supplies and materials	208	88	105
131.001	Equipment	9		
132.001	Lands and structures	46,034	48,289	61,580
199.001	Total Direct obligations	63,704	67,477	83,883
999.901	Total obligations	63,704	67,477	83,883

Mil. Con., Army Reserve
(Reduction Pursuant to Public Law 99-177)
Program and Financing (in Thousands of dollars) SUPPLEMENTAL

REPORT 20 04 Feb 86
PAGE 233

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			Obligations		
Identification code	21-2086-6-1-051	1985 actual	1986 est.	1987 est.	1985 actual	1986 est.	1987 est.
	Program by activities:						
	Direct program:						
00.0101	Major construction					-3,303	-461
00.2001	Undistributed	-423	-3,006				
10.0001	Total	-423	-3,006			-3,303	-461
	Financing:						
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plans						759
21.4007	Reprograming from/to prior year budget pla	423	-1,056				
23.4001	Unobligated balance reduction: Appropriation		1,056			1,056	
	Unobligated balance available, end of year:						
24.4002	For completion of prior year budget plans					-759	-298
40.0001	Budget authority (Appropriation)		-3,006			-3,006	
	Relation of obligations to outlays:						
71.0001	Obligations incurred, net					-3,303	-461
72.4001	Obligated balance, start of year						-2,614
74.4001	Obligated balance, end of year					2,614	596
90.0001	Outlays					-689	-2,479

Mil. Con., Army Reserve
(Reduction Pursuant to Public Law 99-177)
Object Classification (in Thousands of dollars) SUPPLEMENTAL

REPORT 20 04 Feb 86
PAGE 234

Identification code 21-2086-6-1-051	1985 actual	1986 est.	1987 est.
Direct obligations:			
192.001 Undistributed		-3,303	-461
199.001 Total Direct obligations		-3,303	-461
999.901 Total obligations		-3,303	-461

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Special Program Considerations
Various Locations - FY 87 Military Construction Army Reserve Program

4. PROJECT TITLE	5. PROJECT NUMBER

Pollution Abatement
The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation
Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection
Proposed land acquisition, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel
In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Environmental Protection
In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-900), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis
Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

Reserve Manpower Potential
The reserve potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Special Program Considerations Various Locations - FY 87 Military Construction Army Reserve Program		
4. PROJECT TITLE		5. PROJECT NUMBER

these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Preservation of Historical Sites and Structures
Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Camp Robinson (North Little Rock), AR		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

N/A

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

N/A

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
841	Water System Improvement	LS	150	08/85	09/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends joint construction.

19 Jul 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-No 77

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

Camp Robinson (North Little Rock), AR

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED							
ACTUAL							

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
N/A		

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
N/A		

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PF-Mar 77

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION Camp Robinson (North Little Rock), AR	4. PROJECT TITLE Water System Improvement

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 841	7. PROJECT NUMBER 87-0001	8. PROJECT COST ($000) 150

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				595
Water System, 300,000 Gallon	LS			(330)
Pumping Station with 2-750 GPM Pumps (and Auxiliary Emergency Generator (100KW))	LS			(202)
8 Inch Water Line to Existing Distribution System	LF	3000	21.00	(63)
SUPPORTING FACILITIES:				18
Utilities Electric	LF	1000	5.00	(5)
Utilities Transformer	LS			(6)
Site Preparation and Right of Way Clearance	LS			(7)
TOTAL CONSTRUCTION COST				613
Contingencies (5%)				31
TOTAL PROJECT COST				644
National Guard Share				494
US Army Reserve Share				150

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The construction of a specially designed water supply system consisting of an elevated water storage tank and pumping station with tie-in to existing water distribution system for supply of domestic water and fire protection. Air Conditioning: 0 tons.

11. REQUIREMENT: 0 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: To provide an adequate system for the distribution of potable water and fire protection at Camp Robinson. Project is a joint effort with the USAR and the State of Arkansas to satisfy current needs and future planned expansion to facilities located on Camp Robinson. The National Guard Bureau share is included in the Military Construction, Army National Guard budget.

REQUIREMENT: Construction of the proposed project is required to provide adequate quantity and quality of water at required delivery pressures.

CURRENT SITUATION: When the post was deactivated, the State of Arkansas was unable to finance the high maintenance costs associated with maintaining the existing system. This forced the State to connect the Camp Robinson system to the North Little Rock municipal system, but in so doing, left the post with less than adequate water pressure. As a temporary measure, the post has been utilizing a ground storage tank as a secondary stage to increase the water pressure to continue day-to-day operations. Switching the pump on once a day manually to raise the water level to provide pressure is an inadequate solution to the problem and is not cost effective. The pressure normally drops significantly throughout the day. Water pressure is never high enough to provide fire protection in the cantonment area.

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Camp Robinson (North Little Rock), AR		
4. PROJECT TITLE Water System Improvement		5. PROJECT NUMBER 87-0001

IMPACT IF NOT PROVIDED: This project would provide an adequate water supply for existing and proposed facilities required for the current training mission. Without these improvements, the facilities will continue to suffer from low pressure, high maintenance cost, possible health problems and potential high loss of property due to inadequate fire protection.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started........................ 08/85
- (b) Percent Complete as of January 1986.......... 50
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete........................ 09/86

(2) Basis:
- (a) Standard or Definitive Design - Yes____ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications......(0)
- (b) All Other Design Costs......................(0)
- (c) Total...................................... 28
- (d) Contract...................................(28)
- (e) In-house...................................(0)

(4) Construction start........................ 05/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
[illegible]

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Fort Chaffee, AR		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 3 weekends/month
Full-time personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Ft Smith, AR, ARNG Armory - 2
Ft Smith, AR, USNR Center - 10
Ft Smith, AR, ARNG Flight Fac - 10
Van Buren, AR, ARNG Armory - 12
Charleston, AR, ARNG Armory - 17
Ft Chaffee, AR, Semiactive Instl - 0

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	600-Member Center	28,088 SF	2,500	07/82	08/84

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

9 Jul 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-No 77

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Fort Chaffee, AR

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	8	1	5	2	560	60	500
ACTUAL	8	1	5	2	489	53	436

12. RESERVE UNIT DATA

ASGD/AUTH 88%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
95TH TRNG CMD DET 3	175	202
978TH AG DET/122	32	30
4003D USAG DET 1	107	87
271ST MAINT CO NON DIV SD	206	154
759TH MAINT DET (FA)	17	9
809TH MAINT DET RCV/EVC	7	5
854TH MAINT DET EN	16	2
	560	489

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
TRUCK, UTILITY, 1/4T	1	1
TRUCK, CARGO, TACT, 1 1/4T	1	1
TRUCK, VAN SHOP, 2 1/2T	1	1
TRUCK, HAND, PLATFORM	2	1
TRAILER, CARGO, 1/4T	1	1
TRAILER, CARGO, 3/4T	1	1
TRAILER, CARGO, 1 1/2T	1	1
	8	7

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAR Center, Fort Chaffee, AR	600-Member USAR Center

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
55994A	171-40	87-0025	2,600

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				2021
New Training Building	SF	28088	71.96	(2021)
SUPPORTING FACILITIES:				327
Site Utilities	LS			173
Site Improvements	LS			32
Landscaping	LS			42
Sidewalks	SY	320	16.88	5
Fencing	LF	720	27.50	20
Pavement	SY	9360	5.88	55
TOTAL CONSTRUCTION COST				2348
Contingencies (5%)				117
Supervision and Administration (5.5%)				135
TOTAL PROJECT COST				2600

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Design will provide the most economical new construction, complete with integrated site development, to provide a permanent, aesthetically pleasing, spatial enclosure to house the functional requirement herein. Air Conditioning: 65 tons.

11. REQUIREMENT: 28,088 SF. Adequate: 0 SF. Inadequate: 0 SF.

PROJECT: Construct a 600-member Army Reserve Center.

REQUIREMENT: Provide an Army Reserve Center to house the Mechanized Infantry Committee of a training Division Training Command, and Adjutant General Postal Detachment, a four unit maintenance company with a direct support mission, and a detachment of a US Army Garrison. It will provide administrative, classroom, mess, storage, latrine, and training space for seven units. Joint use of the Navy's leased center in Fort Smith is not feasible; however, the US Army Reserve site at Fort Chaffee is large enough to permit a Navy addition to the US Army Reserve Center in the future.

CURRENT SITUATION: Units are currently housed in two facilities, an existing 14,485 SF wooden structure on a 0.64 acre site in downtown Fort Smith and a temporary WWII office building located on Fort Chaffee. The facility located in downtown Fort Smith was erected in 1941 as a WWII USO facility and was acquired in the early 1960's for US Army Reserve use. It has no privately owned or military vehicle parking areas. Conditions in these facilities are deplorable and immediate renovation is desperately needed. Pending approval and completion of this proposed project, minor maintenance is being performed to compensate for the extensive renovation needed for roofing, mechanical and electrical systems. Both facilities are overcrowded, inadequate, and do not meet the administrative and training

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Ft Chaffee, AR		
4. PROJECT TITLE 600-Member USAR Center		5. PROJECT NUMBER 87-0025

training needs of these units. Upon completion of the new Fort Chaffee center, both facilities will be declared excess and disposed of.
IMPACT IF NOT PROVIDED: If this project is not provided, it will be necessary to relocate these units into leased facilities, as the existing buildings will continue in use to the detriment of training and maintenance readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started........................ 07/82
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete........................ 08/84

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(160)
(b) All Other Design Costs......................(42)
(c) Total....................................... 202
(d) Contract....................................(0)
(e) In-house....................................(202)

(4) Construction start........................ 12/86
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	86	50
Wire Partitions	OMAR	86	78
TOTAL			128

1 COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 4Feb86
3 INSTALLATION AND LOCATION AFR Center, North Little Rock, AR		4 AREA CONSTR COST INDEX

5 FREQUENCY AND TYPE OF UTILIZATION

Reservists - 3 weekends/month; 8 nights/month
Full-time Personnel - 5 days/week

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Finkbeiner USARC, Little Rock - 11 miles
Ricks ARNG, Little Rock - 15 miles
Fisher ARNG, North Little Rock - 9 miles
Phillips ARNG, North Little Rock - 1 mile
Terry USARC, Little Rock - 12 miles

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	1500-Mbr AFRC w/OMS/AMSA	156,613 SF	7,486	02/84	04/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

9 Jul 85
(Date)

9 LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
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1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

AFR Center, North Little Rock

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	105	18	38	49	1454	352	1102
ACTUAL	91	17	33	41	1365	312	1053

12. RESERVE UNIT DATA

ASGD/AUTH 94%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
122D USAR CMD	145	149
343D PA DET FLD SVC	13	11
460TH CML CMD GP	43	28
4154TH USAR SCHOOL	142	117
431ST CA CO	125	111
820TH SIG CO CABLE AND WIRE	167	139
336TH DD HHC AMMO BN	69	74
810TH MD HSP STA 300 BED	235	191
489TH EN BN HHC	183	177
489TH EN BN CMBT CO C	146	132
SF BN 12 SFGP CO A	22	26
SF BN 12 SFGP DET 1 CO A	14	12
95TH IN DIV TRNG CMD HHC	136	183
416TH ENGR SURVEY TEAM	5	5
32D JAG DET INTL LAW	9	10
	1454	1365

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Wheeled Vehicles	123	123
Trailers	66	66
Tracked Vehicles	4	4
TOTAL	193	193

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1 COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 4Feb86

3. INSTALLATION AND LOCATION AFR Center, North Little Rock, AR	4 PROJECT TITLE 1500-Mbr AFRC w/OMS/AMSA

5 PROGRAM ELEMENT 55994A	6 CATEGORY CODE 171-40	7 PROJECT NUMBER 87-0002	8 PROJECT COST ($000) 7,486

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				5963
Training Building	SF	60386	66.33	(4005)
Training Building Alteration	SF	47148	5.60	(264)
Maintenance Building	SF	7206	67.72	(488)
Maintenance Building Alteration	SF	9825	6.62	(65)
Storage Building	SF	32048	35.61	(1141)
SUPPORTING FACILITIES:				795
Site Preparation	LS			(45)
Site Improvements	LS			(134)
Utilities	LS			(256)
Parking	SY	12750	14.12	(180)
Military Equipment Parking	SY	6368	16.33	(104)
Access Roads	SY	3090	15.21	(47)
Exterior Lighting	LS			(15)
Fencing	LF	1000	14.01	(14)
TOTAL CONSTRUCTION COST				6758
Contingencies (5%)				338
Supervision and Administration (5.5%)				390
TOTAL PROJECT COST				7486

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Design will provide the most economical construction of a renovation and new construction or combination thereof. The training building will be a two story reinforced masonry, slab on grade, with insulated metal roof. The maintenance and storage facilities will be one story slab on grade with metal frame, siding, and roofs. Air Conditioning: 102 tons.

11. REQUIREMENTS: 156,613 SF. Adequate: 0 SF. Substandard: 57,973 SF.

PROJECT: Construct an Armed Forces Reserve Center with storage and maintenance facilities and alter the existing training and maintenance buildings.

REQUIREMENT: This center is a training facility which provides building and grounds for command, control, supervision, and administration of Army Reserve units located in Arkansas, Louisiana and Oklahoma. It also provides training facilities for Army Reserve, Navy Reserve and Marine Corps Reserve units. The Army Reserve units provide command supervision over equipment concentration sites and area maintenance support activities, both ground and air. They also assist in the mobilization of units and individuals. Public and civil affair functions are performed in support of military operations. Other mission requirements of these units are communications maintenance and installation, station-type hospitalization, outpatient services, and local assigned medical logistic support.

CURRENT SITUATION: Four units are currently housed at Terry Army Reserve Center located on the University of Arkansas campus. This facility is of

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION AFR Center, North Little Rock, AR		
4. PROJECT TITLE AFRC w/OMS/AMSA		5. PROJECT NUMBER 87-0002

1951 construction and ineffective for present training requirements. Once these units are relocated, this facility will be disposed of. Three units will be relocated from the Finkbeiner Reserve Center to the new facility which will eliminate overcrowding at this facility. Two units presently occupying leased facilities and storing equipment in a leased storage facility will be relocated to the new center. The existing facility is overcrowded and deficient in essential training and storage space.

IMPACT IF NOT PROVIDED: Continued use of these old facilities and the existing overcrowded center, deficient in essential training, storage, and administrative space will impact detrimentally on the morale, training, retention and readiness of these units.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 02/84
(b) Percent Complete as of January 1986.......... 95
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 04/86

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(475)
(b) All Other Design Costs......................(126)
(c) Total.. 601
(d) Contract.....................................(0)
(e) In-house.....................................(601)

(4) Construction start......................... 01/87
month and year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
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1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION AFR Center, North Little Rock, AR		
4. PROJECT TITLE AFRC w/OMS/AMSA		5. PROJECT NUMBER 87-0002

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	50
Wire Partitions	OMAR	87	233
Metal Lockers	OMAR	87	2
			285

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Oakland, CA		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 4 weekends/month
Full-Time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USARC, San Pablo, CA - 15 miles
PSF Golden Gate USARC, San Francisco, CA - 11 miles
PSF Harmon Hall USARC, San Francisco, CA - 11 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	Add/Alt 1200-Mbr USARC w/OMS	99,202 SF	2,986	11/83	11/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

15 Aug 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

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PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Oakland, CA

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	49	10	18	21	1255	286	969
ACTUAL	51	11	19	21	1202	232	970

12. RESERVE UNIT DATA

ASGD/AUTH 96%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
107TH MED DENT SVC	57	68
140TH MD DET DISPEN	10	13
147TH MD DET DISPEN	10	14
352D MD HOSP EVAL SMBL	352	333
363D IN RGT BN CO B	13	16
363D IN RGT BN 2 CO A	13	9
363D IN RGT BN 2 HHC	111	118
363D IN RGT BN 2 CO C	13	13
445TH CA CO	125	108
492D MD DET DENT SVC	10	9
228TH MI DET CI	58	47
319TH TC HHD TRAN COSCOM	103	97
380TH MP DET CRIM INVEST	34	27
478TH MI DET STRAT R-A	9	9
483D TC HHC TML BN	99	97
689TH QM CO	38	41
801ST EN CO PORT CONSTR	200	183
	1255	1202

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
NONE		

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Oakland, CA		4. PROJECT TITLE Add/Alt 1200-Mbr USARC w/OMS	
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0003	8. PROJECT COST ($000) 2986

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				2482
Training Building Addition	SF	14102	78.99	(1114)
Training Building Alteration	SF	31700	40.54	(1285)
Storage Building Alteration	SF	25000	1.92	(48)
Building Alterations	SF	28400	1.23	(35)
SUPPORTING FACILITIES:				213
Demolition	LS			(10)
Site Preparation	LS			(9)
Site Improvements	LS			(45)
Utilities	LS			(44)
Parking	SY	7200	8.06	(58)
Sidewalks/Curbing	SY	1600	28.15	(45)
Exterior Lighting	LS			(2)
TOTAL CONSTRUCTION COST				2695
Contingencies (5%)				135
Supervision and Administration (5.5%)				156
TOTAL PROJECT COST				2986

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide for the expansion of a two-story brick structure with built-up roof and concrete slab floor. New construction will include administrative space compatible with the exisiting structure. Alterations provide for the conversion of existing space to accommodate required administrative offices and special training areas. A maintenance building will be converted to storage, and two administrative buildings will be upgraded. Air Conditioning: 0 tons.

11. REQUIREMENT: 99,202 SF. Adequate: 0 SF. Substandard: 85,100 SF.

PROJECT: Alterations and expansion to an existing Army Reserve Center and maintenance facility.

REQUIREMENT: This project is to provide minimum adequate facilities for 17 Army Reserve units in Oakland, CA. The required facilities will permit the 352d Medical Hospital Evacuation, 363d Training Division, 445th Civil Affairs Company, 483d Transportation Battalion, and the 801st Port Construction Engineer Company and 11 other Reserve units to meet their current command and control, training, mission, and mobilization requirements.

CURRENT SITUATION: The existing center complex currently houses eight units, and the other nine units are housed in leased buildings at Oakland Army Base. Although the leased facilities are suitable for training, the buildings are exceedingly expensive to maintain. Collocation of these units will necessitate the proposed alterations and addition to the existing center complex.

IMPACT IF NOT PROVIDED: Unless the Oakland Army Reserve Center is expanded to meet training requirements for the additional units now stationed in

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Oakland, CA		
4. PROJECT TITLE Add/Alt 1200-Mbr USARC w/OMS		5. PROJECT NUMBER 87-0003

leased facilities, the units will remain in buildings with accompanying rental rates in excess of $500,000 per year. The rental rate has been escalating in recent years and is expected to increase in future years.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 11/83
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 11/85

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(255)
(b) All Other Design Costs......................(6)
(c) Total.. 261
(d) Contract....................................(210)
(e) In-house....................................(51)

(4) Construction start.......................... 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	60
Wire Partitions	OMAR	87	10
			70

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

AFR Center, Santa Ana, CA

4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 2 weekends/month; 13 nights/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Marine Corp Amphibious Base, Santa Ana, CA	- 1 mile
Marine Corps Air Station, El Toro, CA	- 10 miles
US Naval Weapons Station, Seal Beach, CA	- 13 miles
AFRC Los Alamitos, CA	- 10 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	Add/Alt to AFRC w/OMS	38,256 SF	1,158	10/82	02/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the 15 Aug 85 (Date) State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

9. LAND ACQUISITION REQUIRED

None -0- (Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-No 77

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

AFR Center, Santa Ana, CA

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	27	3	19	6	480	61	419
ACTUAL	26	3	18	5	544	72	472

12. RESERVE UNIT DATA

ASGD/AUTH 114%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
139TH OD HHC AMMO BN	75	84
163D OD CO AMMO CONV DS	177	185
414TH MP CO POW PROCESS	78	83
6252D HSP 750B SEC 1	150	192
	480	544

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	55	50
Trailers	27	25
Tractors	1	1
General Equipment	14	11
TOTAL	97	87

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

NGB-PP-Mo 77

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION AFR Center, Santa Ana, CA	4. PROJECT TITLE Add/Alt AFRC w/OMS

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0004	8. PROJECT COST ($000) 1,158

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1024
Training Building Addition	SF	732	112.02	(82)
Training Building Alteration	SF	31677	23.08	(731)
Maintenance Facility Addition	SF	2067	79.34	(164)
Maintenance Facility Alteration	SF	3780	12.43	(47)
SUPPORTING FACILITIES:				22
Site Preparation	LS			(10)
Site Improvements	LS			(12)
TOTAL CONSTRUCTION COST				1046
Contingencies (5%)				52
Supervision and Administration (5.5%)				60
TOTAL PROJECT COST				1158

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The design provides for renovation and expansion of the existing center with maintenance facilities. Construction will be compatible with existing buildings, i.e., concrete, concrete-block, brick facing, structural steel with built-up roof on metal deck. Air Conditioning: 65 tons.

11. REQUIREMENT: 38,256 SF. Adequate: 0 SF. Substandard: 35,457 SF.

PROJECT: Addition and alteration to the Armed Forces Reserve Center and maintenance facilities.

REQUIREMENT: This project will provide functional space for home station training, administration, and equipment maintenance for the 400-member Army Reserve portion of an Armed Forces Reserve Center used jointly with the Navy Reserve and Coast Guard. Project requirements are for a battalion headquarters, two companies, and a medical section. The battalion provides command control, staff planning, and technical supervision over conventional, special ammunition, and guided missile support companies and other attached units. The ordnance ammunition company is subordinate to the battalion. Its mission is to establish and operate an ammunition supply facility for the receipt, storage and issue of conventional ammunition.

CURRENT SITUATION: Much of the space in the center has been diverted from its intended use due to the shortage of administrative space. Military reference material, field and technical manuals, and skills qualification testing tapes and materials are being stored in the assembly hall. The learning center equipment cannot be utilized as the space to install it is not available. Food service training and preparation has been minimized and the maintenance shop is deficient in all supporting functional areas,

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION AFR Center, Santa Ana, CA		
4. PROJECT TITLE Add/Alt to AFRC w/OMS		5. PROJECT NUMBER 87-0004

such as a shop office, supply and storage room for tools, and toilet. The deficiencies in these functional areas hinder assigned units and personnel from receiving optimum home station training.

IMPACT IF NOT PROVIDED: Tenant units will remain in the present restrictive, overcrowded and inefficient center. There will be a reduced capability to improve or maintain training, testing, and administration. The result will effect the units' level of readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 10/82
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 02/85

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(121)
(b) All Other Design Costs.......................(0)
(c) Total.. 121
(d) Contract.....................................(93)
(e) In-house.....................................(28)

(4) Construction start........................ 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	60
Wire Partitions	OMAR	87	10
			70

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Mc 77

1. COMPONENT USAR	FY 19⁸⁷ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, West Los Angeles, CA		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 2 days/week; 3 weekends/month
Full-Time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Van Nuys USARC	- 15 miles	W. Los Angeles ARNG	- Adjoins Property
Pasadena USARC	- 18 miles	Los Angeles City ARNG	- 12 miles
Los Alamitos AFRC	- 25 miles	Manhattan Beach ARNG	- 12 miles
Van Nuys ARNG	- 16 miles	Burbank ARNG	- 13 miles
Compton ARNG	- 19 miles		

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	Add/Alt to 800-Mbr USARC	78,697 SF	3,648	12/83	04/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

15 Aug 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PF-No 77

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, West Los Angeles, CA

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	73	15	46	12	820	260	560
ACTUAL	68	15	43	10	763	222	541

12. RESERVE UNIT DATA

ASGD/AUTH 93%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
311TH LG HHC COSCOM	344	310
304TH MMC	331	326
420TH MCC	44	42
335TH DPU	96	80
77TH TRANS DET	5	5
	820	763

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Wheeled Vehicles	38	38
Trailers	44	44
TOTAL	82	82

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, West Los Angeles, CA		4. PROJECT TITLE Add/Alt 800-Mbr USARC	
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0005	8. PROJECT COST ($000) 3,648

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				2735
Training Building Alteration	SF	45061	20.02	(902)
Training Building Annex Alteration	SF	15609	36.33	(567)
Training Building Annex Addition	SF	18027	70.23	(1266)
SUPPORTING FACILITIES:				558
Military Equipment Parking/Road	SY	2591	37.82	(98)
Parking	SY	5127	22.24	(114)
Site Preparation	LS			(74)
Site Improvements	LS			(191)
Utilities	LS			(81)
TOTAL CONSTRUCTION COST				3293
Contingencies (5%)				165
Supervision and Administration (5.5%)				190
TOTAL PROJECT COST				3648

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construction will provide a permanent facility consisting of additional administration and highly specialized functional training space. All elements, including administration, classroom, special training, and unit storage need updating, along with refurbishing of the existing building. Air Conditioning: 98 tons.

11. REQUIREMENT: 78,697 SF. Adequate: 0 SF. Substandard: 60,670 SF.

PROJECT: Alterations and expansion to existing training facility.

REQUIREMENT: This project is required to provide a permanent facility to support the multifaceted mission of the 311th Corps Support Command (COSCOM) Headquarters and its collocated functional control elements 304th Materiel Management Center (MMC), 420th Movements Control Center (MCC)/77th Transportation Detachment, and 335th Data Processing Unit (DPU). These units comprise the primary logistical support organization for I Corps, a major headquarters within the United States Army Force Structure. Mission requirements include contingency planning, monitoring equipment stockages, exercise support, and guidance to subordinate CAPSTONE units, all of which must be performed in a real time mode. These activities are identical to those performed by an active duty COSCOM on a daily basis. Additionally, daily technical assistance is provided subordinate inactive duty training (IDT) units assigned to the 63d US Army Reserve Command.

CURRENT SITUATION: The substandard administrative facilities now available make it difficult to maintain technical proficiency to provide mission support to I Corps and daily support to the subordinate IDT units. The COSCOM's required proficiency has proportionate relationship to the

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, West Los Angeles, CA		
4. PROJECT TITLE Add/Alt to 800-Mbr USARC		5. PROJECT NUMBER 87-0005

adequacy of available administrative facilities. The COSCOM headquarters and its functional control elements contain a highly diversified military occupational skill distribution for both officers and enlisted members. The majority of the positions stationed at the Reserve center require exclusive or common administrative work space to conduct their activities. The administrative facilities requirement generated by the COSCOM Headquarters staff elements, the MMC, MCC, and DPU far exceeds that which might be required for a combat arms type organization.

IMPACT IF NOT PROVIDED: Unless this facility is expanded to meet the training requirements of the assigned units, the many deficiencies in training space will be detrimental to units attaining their prime readiness posture, retention will be increasingly difficult, and the total mission jeopardized.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 12/83
- (b) Percent Complete as of January 1986.......... 90
- (c) Percent Complete as of October 1986.......... 100
- (d) Date Design Complete.......................... 04/86

(2) Basis:
- (a) Standard or Definitive Design - Yes ____ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications......(232)
- (b) All Other Design Costs.....................(50)
- (c) Total.................................... 282
- (d) Contract.................................(253)
- (e) In-house.................................(29)

(4) Construction start........................ 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Wire Partitions	OMAR	87	7

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Hq 77

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Perrine, FL		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 1 evening/week; 3 weekends/month
Full-Time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Homestead AFB, Homestead, FL	- 11 miles
General Ballard ARNG Armory, Miami, FL	- 13 miles
Kendall USARC, Coral Gables, FL	- 15 miles
Williams USARC, Miami, FL	- 15 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	800-Mbr USARC/ Medical Wing/OMS	82,573 SF	6,700	03/84	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

25 Jan 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Mu 77

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Perrine, FL

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	53	8	24	21	890	296	594
ACTUAL	25	4	10	11	822	243	579

12. RESERVE UNIT DATA

ASGD/AUTH 92%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
3D SF BN 11 SF GP HHD	44	49
834TH AG DET	32	40
3387TH USAR SCHL	73	72
466TH MI DET	9	9
478TH CA CO	125	117
174TH JAG DET	26	16
324TH GH	525	473
331ST MED DET DISP	10	7
334TH MED DET BLD COLLECT	10	7
341ST MED DET FXD PROS AUG	5	4
3342D DENT SVC DET	31	28
	890	822

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	53	44
Trailers	24	21
Generator	4	1
Van	1	1
	82	67

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Perrine, FL		4. PROJECT TITLE 800-Mbr USARC/Medical Wing/OMS	
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0006	8. PROJECT COST ($000) 6,700

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				4863
Training Building	SF	78944	58.37	(4608)
Maintenance Building	SF	3729	68.39	(255)
SUPPORTING FACILITIES:				1186
Site Preparation	LS			(9)
Site Improvements	LS			(257)
Utilities	LS			(223)
Parking	SY	20309	29.69	(603)
Military Equipment Parking	SY	2166	21.70	(47)
Fencing	LF	1100	14.55	(16)
Wash Rack	EA	1	1000	(1)
Exterior Lighting	LS			(30
TOTAL CONSTRUCTION COST				6049
Contingencies (5%)				302
Supervision and Administration (5.5%)				349
TOTAL PROJECT COST				6700

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a training center and maintenance shop with reinforced masonry walls, spread footings, slab on grade, and insulated roof to provide office, storage, assembly, classroom and maintenance areas. Air Conditioning: 93 tons.

11. REQUIREMENT: 82,673 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: Construct an 800-member Army Reserve Center with medical wing and an organizational maintenance facility.

REQUIREMENT: Construction of this project will provide a consolidated facility for the units currently assigned to the Kendall and Richmond Army Reserve Centers. This facility is required to house the 3387th Army Reserve School, the 324th General Hospital, the 331st, 334th, 341st Medical, 3342d Army Dental Detachments, 11th Special Forces, and other units. The medical wing is required to support classroom and clinical training for medical MOS courses, inactive duty training for AMEDD personnel as well as a location where physicals for USAR personnel in the Southern Florida area can be performed.

CURRENT SITUATION: The medical units are currently housed at the Kendall Army Reserve Center which is a substandard facility surrounded by the University of Miami property. This facility does not meet the necessary space requirements needed to perform the mission of these units. Currently, there is minimal military equipment parking and no privately owned parking. Other units are occupying two leased WWII temporary buildings at the deactivated Richmond Naval Air Station in Perrine. This center is deficient in administrative, training, and maintenance space. Both facilities are

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Perrine, FL		
4. PROJECT TITLE 800-Mbr USARC/Medical Wing/OMS		5. PROJECT NUMBER 87-0006

termite infested which continues to cause damage to government property stored therein.

IMPACT IF NOT PROVIDED: If this project is not provided, the assigned units will be required to use these overcrowded and substandard facilities. The continued use of these facilities will result in high maintenance costs, operations training will continue at less than optimum capacity, and the morale, recruitment, retention, and readiness of these units will be adversely affected.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 03/84
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 12/85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(322)
(b) All Other Design Costs......................(180)
(c) Total.. 502
(d) Contract....................................(0)
(e) In-house....................................(502)

(4) Construction start......................... 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	43
Wire Partitions	OMAR	87	80
Metal Lockers	OMAR	87	68
			191

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Weekend Training Site, Joilet, IL		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 4 weekends/month
Full-time Personnel - 7 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

None

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
179-90	Weekend Training Site/Ranges	LS	4,765	02/85	04/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

18 Sep 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Me 77

1. COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Weekend Training Site, Joliet, IL

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	4		3	1			
ACTUAL	4		3	1			

12. RESERVE UNIT DATA This unit will provide a Weekend Training Site to support mission training for the following units:

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
85TH DIV (TNG)		
425TH TRANS BDE		
300TH MP CMD		
416TH ENG CMD		
86TH ARCOM		
103D COSCOM		
ILLINOIS NATIONAL GUARD		

These units have an approximate authorized strength of 15,506.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
None		

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION Weekend Training Site, Joliet, IL	4. PROJECT TITLE Weekend Training Site/Ranges

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 179-90	7. PROJECT NUMBER 87-0007	8. PROJECT COST ($000) 4,765

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				2246
NBC Gas Chamber	SF	480	85.42	(41)
M203 Range	LS			(126)
Law Range	LS			(180)
MOUT Site	LS			(325)
Tank Training/Maintenance Building	SF	16678	55.21	(921)
Engineer Training Areas	LS			(80)
Latrine	LS			(135)
Air/Rail Mock-up	LS			(363)
Pinnacle Landing Area	LS			(15)
Confidence Course	LS			(60)
SUPPORTING FACILITIES:				2056
Tank Synchronization Ramp	LS			(24)
Roads-Tank	LS			(1200)
Water Line	LS			(291)
Washrack	EA	1		(208)
Sanitary Sewer System	LS			(286)
Electrical	LS			(30)
Signage	LS			(17)
TOTAL CONSTRUCTION COST				4302
Contingencies (5%)				215
Supervision and Administration (5.5%)				248
TOTAL PROJECT COST				4765

10. DESCRIPTION OF PROPOSED CONSTRUCTION:
Design will provide for a local training area complete with integrated site development of ten separate training sites. Primary facilities will consist of a Tank Training/Maintenance Building; a Nuclear, Biological, and Chemical (NBC) Gas Chamber; and Proficiency Course; M203 Practice Round Range; LAW Subcaliber Firing Range; Military Operations on Urban Terrain (MOUT) Site; Engineer Training Area; Pinnacle Helicopter Landing Site; Rail Mock-up; Air Mock-up; and Confidence Course. Support facilities will include gravel roads, washrack, latrines, water distribution system, sanitary sewerage system, electrical distribution system, and signage. Air Conditioning: 6 tons.

11. REQUIREMENT: 17,158 SF. Adequate: 0 SF. Substandard: 0 SF.
PROJECT: Construct Weekend Training Site with ranges and supporting facilities.
REQUIREMENT: This project will provide training facilities to support individual mission training in a field environment for Army Reserve and National Guard units geographically located in the Chicago metropolitan area.

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Weekend Training Site, Joliet, IL

4. PROJECT TITLE Weekend Training Site/Ranges	5. PROJECT NUMBER 87-0007

CURRENT SITUATION: Training facilities for individual skills at home station do not exist or exist only in their most rudimentary form. M203 weapons qualification can only be accomplished at Fort McCoy, some 300 miles distant from the Chicago metropolitan area. Tank syncronization and bore sighting as well as MOUT training cannot be conducted due to the lack of facilities. Classroom instruction and "hands-on" familiarization is conducted in reserve center parking lots, or not at all. Concurrent classroom and field training is all but impossible to conduct. Recurring training several times per year is required to reinforce and maintain skill levels in rail loading and unloading, and weapons proficiency. The existing support facilities including the road network, parking areas, water supply, sewage treatment, and power distribution are substandard at the proposed site and do not support the increased training mission.

IMPACT IF NOT PROVIDED: Failure to provide the requested facilities will continue to adversely affect the training posture of the units in the Chicago area, restrict unit readiness, hamper deployablility, and impair combat efficiency. In order for these units to attain acceptable training levels, the facilities requested are needed and must be located within a reasonable distance from the Chicago area.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 02/85
(b) Percent Complete as of January 1986.......... 85
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete.......................... 04/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(201)
(b) All Other Design Costs......................(194)
(c) Total... 395
(d) Contract.....................................(335)
(e) In-house.....................................(60)

(4) Construction start......................... 04/87
month and year

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Mr 77

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Weekend Training Site, Joliet, IL

4. PROJECT TITLE Weekend Training Site/Ranges	5. PROJECT NUMBER 87-0007

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT
USAR

FY 1987 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
4Feb86

3. INSTALLATION AND LOCATION
USAR Center, South Bend, IN

4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 4 weeknights/month; 3 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

AFRC, South Bend, IN - 10 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	Add/Alt 400-Mbr USARC/OMS/AMSA	56,052SF	3,511	07/84	04/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.
17 Oct 85
(Date)

9. LAND ACQUISITION REQUIRED
None
-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

Upgrade Rifle Ranges, South Bend, IN
Upgrade Rifle Ranges, Southfield, MI

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PF-Mw 77

1. COMPONENT	FY 19~~87~~ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, South Bend, IN

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	23	5	6	12	360	54	306
ACTUAL	16	2	2	12	300	27	273

12. RESERVE UNIT DATA

ASGD/AUTH 84%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
428TH FA HHB BDE	142	122
333D FA BN 4 HHB	120	93
333D FA BN 4 SVC BTY	56	49
1ST SF BN 12 SFGP DET C5	14	10
1ST SF BN 12 SFGP DET C3	14	14
1ST SF BN 12 SGFP DET C4	14	12
	360	300

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trailers	72	72
Wheeled Vehicles	92	78
Total	164	150

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-No 77

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, South Bend, IN	4. PROJECT TITLE Add/Alt-400-Mbr USARC/OMS/AMSA

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0008	8. PROJECT COST ($000) 3,511

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				2303
Training Building Alteration	SF	16940	30.05	(509)
Training Building Addition	SF	11819	72.50	(857)
Maintenance Building Addition	SF	2495	82.61	(206)
Maintenance Building Alteration	SF	9262	16.09	(149)
Storage Building	SF	15536	37.46	(582)
SUPPORTING FACILITIES:				867
Site Preparation	LS			(108)
Site Improvements	LS			(50)
Utilities	LS			(96)
Parking	SY	3340	26.95	(90)
Military Equipment Parking	SY	11942	33.00	(394)
Fencing	LF	1441	18.04	(26)
Exterior Lighting	LS			(103)
TOTAL CONSTRUCTION COST				3170
Contingencies (5%)				158
Supervision and Administration (5.5%)				183
TOTAL PROJECT COST				3511

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will provide for the expansion and modernization of a single story masonry brick training building and the existing single story masonry brick maintenance facility. Construct a new single story masonry brick storage building with concrete slab and built-up roof. Air Conditioning: 44 tons.

11. REQUIREMENT: 56,052 SF. Adequate: 0 SF. Substandard: 26,202 SF.

PROJECT: Alter and construct an addition to existing Army Reserve Center with maintenance shop and storage facility.

REQUIREMENT: This facility is required to house seven units including a Field Artillery Brigade, Battalion Headquarters and Service Battery, a Detachment of a Supply Company, three Special Forces Operating Detachments, and a collocated Area Maintenance Support Activity. The Brigade and Battalion Headquarters require command and control facilities. All units require efficiently arranged administrative, training, storage, maintenance, and parking areas.

CURRENT SITUATION: Units are currently housed in two locations. The East Northside Center is a two story, concrete block structure erected in 1953 on a four acre leased site with a five bay organizational maintenance shop. This facility is overcrowded, deficient in special training, administrative, unit storage, military and privately owned vehicle parking areas. The size and configuration of the site preclude the needed expansion. Upon completion of this project, this facility will be declared excess. The Boland Center is a one story structure with a six bay maintenance shop which provides adequate spatial requirements for currently

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, South Bend, IN		
4. PROJECT TITLE Add/Alt 400-Mbr USARC/OMS/AMSA		5. PROJECT NUMBER 87-0008

assigned units. This center was constructed on an 11.5 acre site which affords ample room for expansion to house all units in South Bend. Collocation of the East North Center with the Boland Center will necessitate the proposed construction.

IMPACT IF NOT PROVIDED: The units assigned to the Northside Center will continue to utilize an overcrowded facility, deficient in essential special training, administrative, unit storage, military and privately owned vehicle parking area. Such conditions impact detrimentally on the morale, training, retention, and readiness of these units.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 07/84
(b) Percent Complete as of January 1986.......... 95
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 04/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(102)
(b) All Other Design Costs......................(118)
(c) Total.. 220
(d) Contract....................................(151)
(e) In-house....................................(69)

(4) Construction start......................... 04/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Wire Partitions	OMAR	87	140
Dehumidifier	OMAR	87	1
			141

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Kansas City, KS		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 16 weeknights/month; 2 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USARC, Olathe, KS - 20 miles
Ft Leavenworth, KS - 25 miles
Kansas ARNG Armory, Kansas City, KS - 1 mile
Missouri ARNG Armory, Kansas City, MO - 5 miles
Kansas ARNG Armory, Leavenworth, KS - 25 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	Add/Alt 300-Mbr USARC w/OMS	30,798SF	1,548	07/81	03/84

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

6 May 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PF-No 77

1. COMPONENT
USAR

FY 1987 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
4Feb86

3. INSTALLATION AND LOCATION
USAR Center, Kansas City, KS

11. PERSONNEL STRENGTH AS OF
31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	21	4	13	4	221	50	171
ACTUAL	17	1	2	14	231	32	199

12. RESERVE UNIT DATA

ASGD/AUTH 105%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
326TH LG HHC AREA SPT GP	146	137
842D QM CO PTRL SUP	75	94
	221	231

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Wheeled Vehicles	50	40
Trailers	27	26
Other Equipment	4	3
TOTAL	81	69

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Kansas City, KS	4. PROJECT TITLE Add/Alt 300-Mbr USARC w/OMS

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0009	8. PROJECT COST ($000) 1,548

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1356
Training Building Addition	SF	4626	71.34	(330)
Training Building Alteration	SF	22372	39.88	(892)
Maintenance Building Alteration	SF	3800	35.27	(134)
SUPPORTING FACILITIES:				41
Site Work	LS			(41)
TOTAL CONSTRUCTION COST				1397
Contingencies (5%)				70
Supervision and Administration (5.5%)				81
TOTAL PROJECT COST				1548

10. DESCRIPTION OF PROPOSED CONSTRUCTION

The design provides for alterations and expansion of the existing center with maintenance building. Construction includes a two story structure with built-up roof and concrete floor slab covered with asphalt tile. New construction is to be compatible with existing. Air Conditioning: 7 tons.

11. REQUIREMENT: 30,798 SF. Adequate: 0 SF. Substandard: 26,172 SF.

PROJECT: Alteration and addition to existing Army Reserve Center with maintenance facility.

REQUIREMENT: This facility is required to house the 326th Logistics Support Group Headquarters Company and the 342d Quartermaster Company, Petroleum, and Terminal Operation Company. The mission of the 326th Headquarters Company Area Support Group is to train personnel to provide command and control for all assigned and attached combat service support units. These units plan the mission direct support and combat service support of units located in or passing through the communication zone. They are also required to control and coordinate physical security and rear area protection activities within the assigned area of the communication zone.

CURRENT SITUATION: The center and maintenance shop were constructed in 1963. There is a critical shortage of administrative space. Currently this shortage is being remedied by diverting locker room, toilet, unit storage, range storage, and classroom space. These diversions are not suitable for adminstrative space due to poor heating, cooling, ventilation, insulation, and lighting. The kitchen facility is not large enough or equipped to meet the training requirements. The learning center area has

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Kansas City, KS		
4. PROJECT TITLE Add/Alt 300-Mbr USARC w/OMS		5. PROJECT NUMBER 87-0009

been converted to administrative space and the learning center training is being conducted in the unit storage area. This center lacks a message center, reproduction, publication and drafting areas. The maintenance facility is deficient in office, toilet, tool and parts, storage, and battery rooms, including flammable and custodial storage.
IMPACT IF NOT PROVIDED: These units will continue conducting operations in substandard facilities creating undue hardship and inefficiency in all aspects of administrative, training, maintenance, and support functions. The lack of functional space and overcrowded conditions impacts adversely on the morale, retention and readiness of these units.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 07/81
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 03/84

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(72)
(b) All Other Design Costs......................(123)
(c) Total....................................... 195
(d) Contract....................................(131)
(e) In-house....................................(64)

(4) Construction start......................... 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	27

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Manhattan, KS		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 3 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Fort Riley, KS - 15 miles
NG Armory, Manhattan, KS - 8 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	Add/Alt 100-Mbr USARC w/OMS	19,438SF	1,522	02/84	11/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

6 May 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-No 77

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Manhattan, KS

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	11	4	7	0	107	16	91
ACTUAL	5	1	3	1	95	23	72

12. RESERVE UNIT DATA

ASGD/AUTH 89%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
342D TC DET MOV CTL	7	7
425TH TC HHD MOV CON CEN	39	54
436TH CM DET DECON	40	13
531ST TC DET MOV CTL	7	6
330TH TC DET MOV CTL	7	8
31ST TC DET MOV CONT	7	7
	107	95

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	24	18
Trailers	14	14
Total	38	32

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1 COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Manhattan, KS	4 PROJECT TITLE Add/Alt 100-Mbr USARC w/OMS

5 PROGRAM ELEMENT 55994A	6 CATEGORY CODE 171-40	7 PROJECT NUMBER -0010	8 PROJECT COST ($000) 1,522

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1075
Training Building Addition	SF	11345	70.52	(800)
Training Building Alteration	SF	6206	26.60	(165)
Maintenance Building Alteration	SF	1164	43.81	(51)
Maintenance Building Addition	SF	723	81.61	(59)
SUPPORTING FACILITIES:				299
Site Improvement	LS			(64)
Paving	SY	3846	35.00	(135)
Sidewalks	SY	348	26.72	(9)
Storm Drainage	LS			(19)
Utilities	LS			(60)
Landscaping	LS			(12)
TOTAL CONSTRUCTION COST				1374
Contingencies (5%)				69
Supervision and Administration (5.5%)				79
TOTAL PROJECT COST				1522

10 DESCRIPTION OF PROPOSED CONSTRUCTION

Convert existing training building to provide unit storage. Construct one story masonry, concrete slab, and built-up roof addition to provide required offices, classrooms, and assembly hall. Alter existing maintenance shop to provide tool and parts storage. Construct masonry addition with concrete slab and metal roof to provide office, battery room, toilet, and flammable storage. Air Conditioning: 20 tons.

11. REQUIREMENT: 19,438 SF. Adequate: 0 SF. Substandard: 7,370 SF.

PROJECT: Addition and alteration to Army Reserve Center with maintenance facility.

REQUIREMENT: This project is required to provide minimum adequate functional areas to support the training and administrative mission of a chemical detachment and transportation units to be located in Manhattan.

CURRENT SITUATION: The existing facility is overcrowded and deficient in functional space. It does not have an assembly hall or learning center. Unit storage and administration space are undersized and the arms storage area is substandard. The 436th Chemical Detachment is currently located in a temporary WWII building at Fort Riley.

IMPACT IF NOT PROVIDED: If units continue conducting operations and training in a substandard facility, it will cause undue hardship and inefficiency in all areas of the unit's ability to train and perform. Also, it will reduce the level of unit readiness and individual proficiency.

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION
USAR Center, Manhattan, KS

4. PROJECT TITLE
Add/Alt USARC w/OMS

5. PROJECT NUMBER
87-0010

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Dat Design Started.......................... 02/84
(b) Perc Complete as of January 1986.......... 100
(c) Perc Complete as of October 1986.......... 100
(d) Date sign Complete.......................... 11/85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(61)
(b) All Other Design Costs......................(62)
(c) Total.. 123
(d) Contract.......................................(91)
(e) In-house.......................................(32)

(4) Construction start........................ 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Wire Partitions	OMAR	87	5

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Parsons, KS

4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 2 weekends/month
Full-Time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

National Guard Armory, Cherryvale, KS - 22 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	Add/Alt USARC w/OMS	21,365SF	1,534	09/82	07/84

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

6 May 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Mw 77

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Parsons, KS

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	9	2	3	4	113	17	96
ACTUAL	5	0	1	4	110	15	95

12. RESERVE UNIT DATA

ASGD/AUTH 98%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
243D CS HHC SUP-SVC BN	70	60
1011TH CS DET 1	43	50
	113	110

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	27	21
Trailers	16	13
Other Equipment	9	8
Total	52	42

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Parsons, KS		4. PROJECT TITLE Add/Alt USAR w/OMS	
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0011	8. PROJECT COST ($000) 1,534

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1228
Training Building Alteration	SF	13168	45.57	(600)
Training Building Addition	SF	965	74.00	(71)
Maintenance Building	SF	7232	77.02	(557)
SUPPORTING FACILITIES:				157
Site Preparation	LS			(41)
Utilities	LS			(55)
Sidewalks	SF	840	3.57	(3)
Fencing	LF	535	18.69	(10)
Military Equipment Parking	SY	2324	20.65	(48)
TOTAL CONSTRUCTION COST				1385
Contingencies (5%)				69
Supervision and Administration (5.5%)				80
TOTAL PROJECT COST				1534

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Modernize existing center to provide learning center, kitchen complex, administrative area, retention room, arms vault, latrines, and training aids storage. Alter area in maintenance building to accommodate shop office, unisex toilet, tool and parts room, battery room, flammable storage, mechanical and custodial room, break room, and locker room. Construction is concrete slab, masonry walls, spread footings with built-up roof. Air Conditioning: 4 tons.

11. REQUIREMENT: 21,365 SF. Adequate: 0 SF. Substandard: 13,168 SF.

PROJECT: Addition and alteration to Army Reserve Center and Organizational Maintenance Shop.

REQUIREMENT: This facility will house the 243d Headquarters Company, Supply-Service Battalion and the 1011th Combat Support Company, Supply-Service Detachment 1. These units require an inactive duty training facility that provides adequate space for a kitchen complex, learning center, administrative, and training area to improve mobilization readiness.

CURRENT SITUATION: The existing center consists of two buildings, the main center on Southern Avenue and an annex five blocks away on 29th Avenue. The 2,699 SF annex building was transfered to the Army Reserve by the Navy in 1979 and is primarily used for storage and classroom instruction. The entire building will be used for storage upon completion of this project. The center lacks an adequate learning center and kitchen. Energy is wasted due to a lack of energy conservation measures. The Area Maintenance Support Activity is located in a leased facility. The high lease expense will be eliminated upon collocation of these units. The

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PF-Ha 77

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Parsons, KS		
4. PROJECT TITLE Add/Alt USARC w/OMS		5. PROJECT NUMBER 87-0011

maintenance shop is obsolete and requires extensive alterations. Maintenance operations cannot be provided in a timely and efficient manner in the undersized working area.
IMPACT IF NOT PROVIDED: These units will continue conducting operations in substandard facilities that cause undue hardship in all aspects of administrative, training, maintenance, and support functions. The area maintenance support activity will continue to operate in a high cost leased facility. This lack of functional space, overcrowded conditions, and inability to accomplish a task efficiently will continue to adversely effect the training, recruitment, retention, and readiness of these units.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started........................ 09/82
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete........................ 07/84

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(66)
(b) All Other Design Costs......................(78)
(c) Total....................................... 144
(d) Contract....................................(106)
(e) In-house....................................(38)

(4) Construction start........................ 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	25

DD FORM 1 DEC 76 1391c PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED NGB-PP-No 77

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Saco, ME		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 8 nights/month; 2 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USARC, Portland, ME	- 13 miles
USARC, Scarborough, ME	- 8 miles
Naval Reserve Center, Portland, ME	- 13 miles
National Guard Armory, Saco, ME	- 1 mile
National Guard Armory, Westbrook, ME	- 5 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	Add/Alt 100-Mbr USARC w/OMS	20,987SF	1,129	09/84	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

23 Oct 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PF-Me 77

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Saco, ME

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	5	0	3	2	168	44	124
ACTUAL	4	0	2	2	193	41	152

12. RESERVE UNIT DATA

ASGD/AUTH 115%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
351ST MD HOSP GEN SEC 1	75	81
304TH IN 2 BN 1 BDE HHD	17	32
304TH IN 2 BN 1 BDE CO A	19	24
304TH IN 2 BN 1 BDE CO B	19	20
304TH IN 2 BN 2 BDE CO C	19	19
304TH IN 2 BN 1 BDE CO D	19	17
	168	193

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Truck, Ambulance	1	1

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Saco, ME	4. PROJECT TITLE Add/Alt 100-Mbr USARC w/OMS

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0012	8. PROJECT COST ($000) 1129

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				971
Training Building Addition	SF	6446	76.78	(495)
Training Building Alteration	SF	11686	39.45	(461)
Maintenance Building Conversion to Storage	SF	2855	5.26	(15)
SUPPORTING FACILITIES:				48
Site Preparation	LS			(6)
Site Improvements	LS			(19)
Utilities	LS			(2)
Parking	SY	795	10.06	(8)
Fencing	LF	500	16.00	(8)
Exterior Lighting	LS			(5)
TOTAL CONSTRUCTION COST				1019
Contingencies (5%)				51
Supervision and Administration (5.5%)				59
TOTAL PROJECT COST				1129

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project will provide an expansion to the existing one story facility of permanent masonry type construction, brick and concrete units with built-up roofs and concrete floors. Alterations include energy conservation and utility systems modifications. Existing maintenance building will be modified to permit unit storage. Air Conditioning: 0 tons.

11. REQUIREMENT: 20,987 SF. Adequate: 0 SF. Substandard: 14,541 SF.
PROJECT: Addition and alterations to Army Reserve Center with maintenance facility.
REQUIREMENT: This project is required to house units from the 2d Battalion, 304th Regiment, 76th Division (Training), and Section I, 351st General Hospital and to provide functional space for administration, classrooms, storage, mess, and latrines.
CURRENT SITUATION: These units presently occupy a 60-member Army Reserve Center constructed in 1956. This center is overcrowded and deficient in food service facilities, classrooms, storage, and administrative space. Interior lighting is poor and interior finishes have deteriorated to a point that rehabilitation is mandatory. The center has excessive heat losses and the arms vault does not meet current physical security standards. The maintenance shop is being used as a temporary supply storage area due to lack of space.
IMPACT IF NOT PROVIDED: Continued use of a facility deficient in essential training and storage space will impact adversely on the morale, training, recruiting, retention, and readiness of these units.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

NGB-PP-№ 77

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Saco, ME		
4. PROJECT TITLE Add/Alt 100-Mbr USARC w/OMS		5. PROJECT NUMBER 87-0012

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started........................ 09/84
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete........................ 12/85

(2) Basis:
(a) Standard or Definitive Design - Yes____No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(74)
(b) All Other Design Costs......................(26)
(c) Total.. 100
(d) Contract.....................................(80)
(e) In-house.....................................(20)

(4) Construction start...................... 03/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	36
Wire Partitions	OMAR	87	42
Dehumidifier	OMAR	87	1
Metal Lockers	OMAR	87	27
			106

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Me 77

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION AFR Center, Saginaw, MI		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 3 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

National Guard Armory, Saginaw, MI - 2 miles
USARC, Bay City, MI - 14 miles
Navy/Marine Reserve Center, Saginaw, MI - 3 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	Armed Forces Reserve Center	29,074SF	3,070	06/83	03/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

21 Nov 85
(Date)

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends joint construction.

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Me 77

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

AFR Center, Saginaw, MI

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	22	4	13	5	355	35	320
ACTUAL	11	2	4	5	372	23	349

12. RESERVE UNIT DATA

ASGD/AUTH 105%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
5089TH RECEPTION STA	239	240
357TH MP CO GUARD	116	132
	355	372

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	5	5
Trailers	2	2
Total	7	7

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION AFR Center, Saginaw, MI	4. PROJECT TITLE Armed Forces Reserve Center

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0013	8. PROJECT COST ($000) 3,070

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				2181
Training Building	SF	29074	75.00	(2181)
SUPPORTING FACILITIES:				590
Electrical	LS			(79)
Mechanical	LS			(65)
Site Improvements	LS			(230)
Engineered Fill	LS			(152)
Parking	SY	3905	16.41	(64)
TOTAL CONSTRUCTION COST				2771
Contingencies (5%)				139
Supervision and Administration (5.5%)				160
TOTAL PROJECT COST				3070

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a two story insulated masonry wall bearing structure with single ply membrane, insulated roof system on metal decking and steel joists, built on elevated engineered fill. Center is to be jointly constructed with the Navy and Marine Corps Reserves. Air Conditioning: 4 tons.

11. REQUIREMENT: 29,074 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: Construct a training facility.

REQUIREMENT: The Army Reserve portion of this AFRC will provide training facilities and grounds to permit two Army Reserve units, a reception station, and military police company to meet their training and mobilization missions. Upon mobilization, the reception station must be prepared to in-process a weekly average of 1,980 inductees. Adequate facilities consisting of large administrative areas are needed to support training. To maintain technical readiness, the unit will, during the course of the year, in-process all Army Reservists from the state of Michigan and update individual service records and dependent records. The Navy and Marine Corps Reserve construction requirements are included in the Military Construction Naval Reserve budget.

CURRENT SITUATION: The existing training building is a 19,801 SF two story structure with a three bay maintenance shop erected in 1960 on a 5.23 acre site. The center is deficient in administrative, mess, storage, training, and vehicle parking. Consideration was given to expanding the training building, however, the existing site is not large enough to accommodate all requirements. Subsequently, a joint project with the Navy and Marine Reserves at the Navy's site was determined to be the most

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION AFR Center, Saginaw, MI		
4. PROJECT TITLE Armed Forces Reserve Center		5. PROJECT NUMBER 7-0013

economical solution for satisfying all requirements. A battery of a field artillery unit and an element of the Area Maintenance Support Activity will continue to use the existing facility.

IMPACT IF NOT PROVIDED: The assigned units will be required to use a deficient and overcrowded training facility. Utilization of substandard facilities adversely affects training, recruiting, retention and readiness of these units.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
- (a) Date Design Started.......................... 06/83
- (b) Percent Complete as of January 1986........... 95
- (c) Percent Complete as of October 1986........... 100
- (d) Date Design Complete.......................... 05/86

(2) Basis:
- (a) Standard or Definitive Design - Yes ___ No X
- (b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
- (a) Production of Plans and Specifications......(166)
- (b) All Other Design Costs......................(54)
- (c) Total.. 220
- (d) Contract.....................................(201)
- (e) In-house.....................................(19)

(4) Construction start........................ 12/86
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1 COMPONENT
USAR

FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION

2 DATE
4Feb86

3 INSTALLATION AND LOCATION
USAR Center, Newburgh, NY

4 AREA CONSTR COST INDEX

5 FREQUENCY AND TYPE OF UTILIZATION

Reservists - 2 weekends/month; 2 nights/week
Full-time Personnel - 5 days/week

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USARC, Bullville, NY	- 12 miles	USNRC, Poughkeepsie, NY	- 18 miles
USARC, Poughkeepsie, NY	- 18 miles	Aviation Support Facility, Newburgh, NY	- 0 miles
NG Armory, Poughkeepsie, NY	- 18 miles	Military Academy, West Point, NY	- 12 miles
NG Armory, Peekskill, NY	- 18 miles		
NG Armory, Newburgh, NY	- 0 miles		

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	700-Mbr USARC w/OMS/AMSA	56,299SF	5,485	11/81	04/86

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

10 Sep 85
(Date)

9 LAND ACQUISITION REQUIRED
None

-0-
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Mw 77

1. COMPONENT	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Newburgh, NY

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	36	9	16	11	682	151	531
ACTUAL	29	8	14	7	638	148	490

12. RESERVE UNIT DATA

ASGD/AUTH 94%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
854TH EN BN HHC	117	116
320TH MD HSP EVAC SMBL	352	282
336TH MD DET HEL AMB	51	59
11TH SPECIAL FORCES BN	131	148
11TH SF CO 1ST SVC FSE	21	20
11TH SC CO 1ST SIG FSE	10	13
	682	638

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	52	31
Trailers	19	13
Other Equipment	61	24
Total	132	68

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Newburgh, NY	4. PROJECT TITLE 700-Mbr USARC w/OMS/AMSA

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0014	8. PROJECT COST ($000) 5,485

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				3934
Training Building	SF	49581	70.67	(3504)
Maintenance Building	SF	6718	64.01	(430)
SUPPORTING FACILITIES:				1017
Site Preparation	LS			(209)
Site Improvements	LS			(259)
Parking	SY	14500	21.38	(310)
Utilities	LS			(123)
Replace Tennis Courts	SY	7120	16.29	(116)
TOTAL CONSTRUCTION COST				4915
Contingencies (5%)				248
Supervision and Administration (5.5%)				286
TOTAL PROJECT COST				5485

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project provides a specially designed two story facility of permanent construction with brick/CMU walls, concrete slab floors, sloped roof, mechanical and electrical equipment. Air Conditioning: 47 tons.

11. REQUIREMENT: 56,299 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: Construct 700-member Army Reserve Center with Organizational Maintenance Shop (OMS)/Area Maintenance Support Activity (AMSA).

REQUIREMENT: This project is required to provide functional training, administrative, and storage space necessary to achieve unit and individual training and readiness objectives of the Headquarters Company of the 854th Engineer Battalion, the 320th Evacuation Hospital, the 336th Medical Detachment, and the 11th Special Forces Group. Additionally, adequate space is needed for maintenance personnel of the assigned units and of the AMSA to perform organizational and limited direct support maintenance to units located at Army Reserve Centers in Bullville, Kingston, Orangeburg, Poughkeepsie, and Tappan, NY, as well as those at this center.

CURRENT SITUATION: The Special Forces unit is occupying leased space in the city of Newburgh and the remaining Reserve units are making use of eight buildings on Stewart Air Base for training, administration, and storage. These buildings are old, obsolete, energy inefficient, and deficient in terms of functional layout and available space. Maintenance functions are being performed in two buildings, the work bays of which are not large enough to accommodate some of the larger pieces of equipment supported. The utilization of two nonadjacent buildings by maintenance units is not conducive to proper supervision of personnel.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Mo 77

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Newburgh, NY		
4. PROJECT TITLE 700-Mbr USARC w/OMS/AMSA		5. PROJECT NUMBER 87-0014

IMPACT IF NOT PROVIDED: If this project is not approved, the existing facilities will continue in use with an adverse impact on the units' ability to provide proper maintenance support, morale, training, recruitment, retention and readiness of the units.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 11/81
(b) Percent Complete as of January 1986.......... 90
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete.......................... 04/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(305)
(b) All Other Design Costs......................(65)
(c) Total...................................... 370
(d) Contract...................................(332)
(e) In-house...................................(38)

(4) Construction start....................... 03/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	31
Wire Partitions	OMAR	87	46
Metal Lockers	OMAR	87	28
			105

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-Mar 77

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Fort Bragg, NC		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Full-time Personnel - 7 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

National Guard Armory, Parkton, NC	- 15 miles
National Guard Armory, Raeford, NC	- 20 miles
National Guard Armory, Fayetteville, NC	- 12 miles
Active Army Installation, Ft Bragg, NC	- 0 miles
Pope Air Base, NC	- 0 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214-90	ECS/AMSA	25,223SF	2,946	04/84	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

22 Aug 85
(Date)

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-No 77

1. COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Fort Bragg, NC

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	47			47			
ACTUAL	38			38			

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL

Project is for the storage of equipment and is not dependent upon Reserve personnel strength.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Wheeled/Tracked Equipment		603

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
868-PP-He 77

1 COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 4Feb86

3 INSTALLATION AND LOCATION Fort Bragg, NC	4 PROJECT TITLE ECS/AMSA

5 PROGRAM ELEMENT 55994A	6 CATEGORY CODE 214-90	7 PROJECT NUMBER 87-0015	8 PROJECT COST ($000) 2,946

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1812
Maintenance Building	SF	13192	59.65	(787)
Maintenance Building Alteration	SF	744	72.92	(54)
Warehouse	SF	10593	39.74	(421)
Storage Shed	SF	694	8.65	(6)
Dispatcher Booth	EA	1	4000.00	(4)
Paved Open Storage	SY	38157	14.15	(540)
SUPPORTING FACILITIES:				847
Site Preparation	LS			(118)
Site Improvements	LS			(198)
Parking	SY	870	13.79	(12)
Utilities	LS			(143)
Fuel Dispensing Facility	LS			(38)
Fencing	LF	1750	22.95	(40)
Exterior Lighting	EA	35	1888.00	(66)
Demolition	LS			(169)
Miscellaneous Concrete Work	SY	2233	17.91	(40)
Landscaping	LS			(23)
TOTAL CONSTRUCTION COST				2659
Contingencies (5%)				133
Supervision and Administration (5.5%)				154
TOTAL PROJECT COST				2946

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a 13,192 SF Area Maintenance Support Activity (AMSA) workshop which provides 10 additional workbays and administration/support areas, a 10,593 SF warehouse with 4,200 SF of climate controlled storage, and a 694 SF open storage shed. Modify the Equipment Concentration Site (ECS) area to provide a segregated marshalling/turn-in area for 150 vehicles, military equipment parking area for 700 vehicles (wheel and tracked), four drive-thru washracks, and a fuel dispensing facility. Alter the existing AMSA to provide an arms repair shop and emergency eyewash, and the existing Organizational Maintenance Shop to convert an existing workbay to office, storage, and support areas. Three WWII buildings consisting of 9,282 SF will be demolished. Air Conditioning: 10 tons.

11. REQUIREMENT: 25,223 SF. Adequate: 0 SF. Substandard: 10,086 SF.

PROJECT: Construct an ECS and an AMSA.

REQUIREMENT: This project is required to provide functional space for storage and maintenance of equipment and weapons for the 120th US Army Reserve Command units, other Army Reserve and National Guard units, and regional Reserve Officer Training Corps units.

CURRENT SITUATION: The existing facilities are widely separated and deficient in space, utilities, security, and other basic requirements.

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Fort Bragg, NC		
4. PROJECT TITLE ECS/AMSA		5. PROJECT NUMBER 87-0015

The main warehouse is a converted administration building located more than one-half mile from the ECS. It is not accessible to forklifts, totally unheated, and not secure. Such items as warehouse tractors, trailers, conveyor roller assemblies, and large generators are stored outside in the ECS for lack of a suitable facility. Only one vehicle wash platform is located within the ECS, which is insufficient for the number of vehicles serviced. A special reinforced wash platform is required for heavy, tracked equipment of all types. Efficient conduct of maintenance and storage activities is not possible with existing facilities.

IMPACT IF NOT PROVIDED: Continued use of the present, deficient facilities will inhibit and degrade the maintenance services which this command must provide for its subordinate units, and impacts adversely on the unit's morale, retention, and readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started........................... 04/84
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 12/85

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(157)
(b) All Other Design Costs.......................(188)
(c) Total... 345
(d) Contract......................................(0)
(e) In-house......................................(345)

(4) Construction start......................... 01/87
month and year

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Fort Bragg, NC		
4. PROJECT TITLE ECS/AMSA		5. PROJECT NUMBER 87-0015

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Wire Partitions	OMAR	87	7
Metal Lockers	OMAR	87	4
			11

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PF-No. 77

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION
Clinton Training Area, Clinton, PA

4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 4 weekends/month; 4 evenings/month

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

None

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
179-90	Local Training Area	LS	476	07/85	08/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.
27 Jun 85
(Date)

9. LAND ACQUISITION REQUIRED
None
-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

DD FORM 1 DEC 76 1390s
Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Me 77

1. COMPONENT USAR	**FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION**	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Clinton Training Area, Clinton, PA

11. PERSONNEL STRENGTH AS OF

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	N/A						
ACTUAL							

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH	
	AUTHORIZED	ACTUAL

This project will provide a training area to support mission training requirements of 40 company size units of the US Army Reserve and the Pennsylvania Army National Guard located within a 75 mile radius of the Clinton Training Area.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
None		

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-№ 77

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION Clinton Training Area, Clinton, PA	4. PROJECT TITLE Local Training Area

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 179-90	7. PROJECT NUMBER 87-0016	8. PROJECT COST ($000) 476

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				195
Convert two Existing Bunkers to a CPX/ Battle Simulator	SF	2400	37.50	(90)
Construct NBC Training Chamber	SF	600	25.00	(15)
Construct NBC Defense Standards of Proficiency Course	LS			(10)
Construct a Squad-size Soldier's Manual Task Training Site	LS			(5)
Construct Bivouac Site	LS			(25)
Latrine Facility	SF	1000	50.00	(50)
SUPPORTING FACILITIES:				234
Upgrade One Mile of Road	LS			(195)
Site Preparation	LS			(39)
TOTAL CONSTRUCTION COST				429
Contingencies (5%)				22
Supervision and Administration (5.5%)				25
TOTAL PROJECT COST				476

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Design will provide for conversion of two existing ordnance bunkers into a Command Post and Battle Simulation Center. Project will include a small company size bivouac area and training stations for individual training in several combat readiness skills. Access road to the site will be upgraded to accommodate increased traffic. Air Conditioning: 0 tons.

11. REQUIREMENT: 4,000 SF. Adequate: 0 SF. Substandard: 2,400 SF.
PROJECT: Construct Local Training Area.
REQUIREMENT: Project will provide a training site to support unit and individual mission training of Army Reserve and National Guard units geographically located within a two hour one way travel time.
CURRENT SITUATION: A local training site to support the mission training of Reserve Component units does not exist in the greater Pittsburgh area. Local Army Reserve and National Guard units travel to training facilities in Pennsylvania, West Virginia and Ohio in order to accomplish mission training. To reach several of these training sites, units must travel in excess of six hours, and valuable training time is being lost.
IMPACT IF NOT PROVIDED: If this project is not provided, the mission essential training of 40 company size units will not be maximized to reach the highest attainable readiness posture.

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Clinton Training Site, Clinton, PA

4. PROJECT TITLE

Local Training Area

5. PROJECT NUMBER

87-0016

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 07/85
(b) Percent Complete as of January 1986.......... 40
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 08/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(60)
(b) All Other Design Costs.......................(10)
(c) Total.. 70
(d) Contract.....................................(40)
(e) In-house.....................................(30)

(4) Construction start......................... 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Lewisburg, PA		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 1 weekend/month; 2 weeknights/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USARC, Bloomsburg, PA	- 21 miles	USARC, Williamsport, PA	- 18 miles
NG Armory, Lewisburg, PA	- 1 mile	USNRC, Williamsport, PA	- 18 miles
NG Armory, Milton, PA	- 4 miles		
NG Armory, Sunbury, PA	- 10 miles		
NG Armory, Williamsport, PA	- 18 miles		

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	60-Mbr USARC w/OMS	11,821SF	1,296	11/83	08/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

27 Jun 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PF-Me 77

1 COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3 INSTALLATION AND LOCATION

USAR Center, Lewisburg, PA

11 PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1		1		65	1	64
ACTUAL	1		1		68	1	67

12 RESERVE UNIT DATA

ASGD/AUTH 106%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
643D CS PLT RP GS GZ	65	68

13 MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Truck	6	6
Trailers	10	10
Tractor	2	2
Generators	2	2
Total	20	20

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Lewisburg, PA	4. PROJECT TITLE 60-Mbr USARC w/OMS

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0017	8. PROJECT COST ($000) 1,296

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				933
Training Building	SF	10338	77.96	(806)
Maintenance Building	SF	1483	85.63	(127)
SUPPORTING FACILITIES:				236
Site Preparation	LS			(14)
Site Improvements	LS			(10)
Utilities	LS			(93)
Parking	SY	1940	18.04	(35)
Military Equipment Parking	SY	3195	20.34	(65)
Exterior Lighting	LS			(9)
Fencing	LF	630	15.87	(10)
TOTAL CONSTRUCTION COST				1169
Contingencies (5%)				59
Supervision and Administration (5.5%)				68
TOTAL PROJECT COST				1296

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a one story brick and concrete block training building with built-up roof and concrete floors. Organizational Maintenance Shop (OMS) to be concrete block with one bay with overhead door opening. Air Conditioning: 11 tons.

11. REQUIREMENT: 11,821 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: Construct Army Reserve Center with Organizational Maintenance Shop.

REQUIREMENT: This project is required to house the 1st Platoon, 643d Supply Company and to provide functional space needed to accomplish proficiency in training, to store all issued items of equipment and to accomplish mission objectives.

CURRENT SITUATION: This unit is presently located in a leased facility, shared jointly with the East Buffalo Township Municipal Government (the lessor). The leased facility is overcrowded and deficient in storage, adminstrative, classroom and functional space. A 3,000 SF converted barn is being used as a vehicle maintenance shop. There is no arms vault and the parking areas do not meet the unit's requirements.

IMPACT IF NOT PROVIDED: The assigned unit will continue to utilize this deficient and overcrowded facility. The overall effect will adversely impact the morale, training, recruitment, retention and readiness of the unit.

DD FORM 1 DEC 76 1391

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

RGB-PP-No 77

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Lewisburg, PA		
4. PROJECT TITLE 60-Mbr USARC w/OMS		5. PROJECT NUMBER 87-0017

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 11/83
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 08/85

(2) Basis:
(a) Standard or Definitive Design - Yes ____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(77)
(b) All Other Design Costs......................(26)
(c) Total....................................... 103
(d) Contract....................................(48)
(e) In-house....................................(55)

(4) Construction start........................ 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	80
Wire Partitions	OMAR	87	85
Metal Lockers	OMAR	87	30
			195

1. COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Schuylkill Haven, PA		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 2 weekends/month
Full-time Personnel - 5 days/week; 1 weekend/month; 4 evenings/month

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

NG Armory, Pottsville, PA - 8 miles
NG Armory, Pine Grove, PA - 17 miles
NG Armory, Hamburg, PA - 12 miles
NG Armory, Kutztown, PA - 25 miles
NG Armory, Hometown, PA - 20 miles
NG Armory, Williamstown, PA - 23 miles
USARC, Reading, PA - 25 miles
USARC, West Hazleton, PA - 25 miles
Ft Indiantown Gap, PA - 22 miles
USNRC, Reading, PA - 25 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	Add/Alt 200-Mbr USARC w/OMS	27,778SF	2,089	02/84	10/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

27 Jun 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

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Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Ms 77

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Schuylkill Haven, PA

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	15	2	6	7	198	21	177
ACTUAL	15	2	6	7	188	15	173

12. RESERVE UNIT DATA

ASGD/AUTH 95%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
68TH AR BN 6 TANK CO B	81	59
365TH EN BN HQ HQ CO	117	129
	198	188

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	14	7
Trailers	30	32
Other Equipment	17	2
Total	61	41

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

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Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Ne 77

1 COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Schuylkill Haven, PA	4 PROJECT TITLE Add/Alt 200-Mbr USARC w/OMS

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7 PROJECT NUMBER 87-0018	8 PROJECT COST ($000) 2,089

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1683
Training Building Addition	SF	11381	70.38	(801)
Training Building Alteration	SF	12053	54.01	(651)
Maintenance Building Addition	SF	1728	80.44	(139)
Maintenance Building Alteration	SF	2616	35.17	(92)
SUPPORTING FACILITIES:				203
Exterior Lighting	LS		-	(23)
Site Preparation	LS			(11)
Site Improvements	LS			(16)
Utilities	LS			(36)
Paving 1" Overlay	SY	3870	4.23	(16)
Military Equipment Parking	SY	2200	21.82	(48)
Parking	SY	1300	17.69	(23)
Access Road	SY	958	21.92	(21)
Fencing	LF	510	17.65	(9)
TOTAL CONSTRUCTION COST				1886
Contingencies (5%)				94
Supervision and Administration (5.5%)				109
TOTAL PROJECT COST				2089

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Project will provide an expansion to the existing masonry facility using matching construction of brick/CMU walls, built-up roof, and concrete floors. Increased energy efficiency and insulation in addition to updated mechanical and electrical systems are included in the alterations. Air Conditioning: 25 tons.

11. REQUIREMENT: 27,778 SF. Adequate: 0 SF. Substandard: 14,669 SF.

PROJECT: Addition and alterations to a Reserve Center and Organizational Maintenance Shop (OMS).

REQUIREMENT: This project is required to provide the minimum adequate facilities to house the headquarters company of the 365th Engineer Battalion, a tank company of the 6th Battalion, 68th Armor, and to provide functional space to enable members to achieve proficiency in mission readiness, logistics, maintenance, and administration.

CURRENT SITUATION: Present facility is a government constructed Army Reserve Center completed in 1960. It is designed to accommodate 60 personnel. Current stationing of units with an authorized strength of 198 has caused severe overcrowding and operational inefficiencies in training, administration, and storage of equipment.

IMPACT IF NOT PROVIDED: The existing center will continue to be used and will adversely impact on the ability of these units to conduct, achieve, and maintain training readiness goals. Training, maintenance, and

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Schuylkill Haven, PA		
4. PROJECT TITLE Add/Alt 200-Mbr USARC w/OMS		5. PROJECT NUMBER 87-0018

administration overcrowding will be a continued impediment to achieving higher combat readiness and morale.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 02/84
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 10/85

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(120)
(b) All Other Design Costs......................(30)
(c) Total....................................... 150
(d) Contract....................................(77)
(e) In-house....................................(73)

(4) Construction start......................... 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	51
Wire Partitions	OMAR	87	31
Metal Lockers	OMAR	87	7
			89

1. COMPONENT
USAR

FY 1987 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
4Feb86

3. INSTALLATION AND LOCATION
Military Intelligence Consolidated Training Facility
Camp Bullis, TX

4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 5 days/week; 3 weekends/month
Full-time Personnel - 7 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

None

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-30	Military Intelligence Consolidated Training Facility	15,087SF	1,918	01/85	04/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.
27 Sep 85
(Date)

9. LAND ACQUISITION REQUIRED
None
-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-He 77

1. COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3. INSTALLATION AND LOCATION
Military Intelligence Consolidated Training Facility
Camp Bullis, TX

11. PERSONNEL STRENGTH AS OF
31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	23	2	7	14	815	148	667
ACTUAL	0	0	0	0	815	114	701

12. RESERVE UNIT DATA

ASGD/AUTH 100%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
304TH ASA BN	124	148
351ST ASA CO	160	133
352D ASA CO	160	127
312TH MI DET	32	30
404TH ASA CO	100	130
318TH MI DET	32	31
344TH MI DET	32	32
485TH MI DET	32	37
900TH MI DET	79	89
413TH MI DET	32	30
549TH MI BN	32	28
	815	815

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
None		

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 19^{87} MILITARY CONSTRUCTION PROJECT DATA		2. DATE 4Feb86
3. INSTALLATION AND LOCATION Camp Bullis, TX		4. PROJECT TITLE Military Intelligence Consolidated Training Facility	
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0019	8. PROJECT COST ($000) 1,918

9 COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1201
Training Building	SF	15087		(1201)
SUPPORTING FACILITIES:				530
Special Foundations				(164)
Site Preparation	LS			(80)
Site Improvements	LS			(22)
Utilities	LS			(188)
Parking	SY	2126	18.81	(40)
Military Equipment Parking	SY	298	26.85	(8)
Fencing	SY	981	18.35	(18)
Exterior Lighting	LS			(10)
TOTAL CONSTRUCTION COST				1731
Contingencies (5%)				87
Supervision and Administration (5.5%)				100
TOTAL PROJECT COST				1918

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a noncombustible steel frame, concrete masonry building with computer/electronics floor, electronic (Faraday) shielding, heating and air conditioning system appropriate for data processing and signal intelligence equipment, radio filtered power supply, electronically controlled doors, secure communications, intrusion alarms, security fence, lighting and site improvements. Air Conditioning: 45 tons.

11. REQUIREMENT: 15,087 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: Construct a Military Intelligence Consolidated Training Facility (CTF).

REQUIREMENT: This project is required to provide a permanent sensitive compartmented information facility (SCIF) to support all tactical intelligence readiness training for Reserve combat electronic warfare and intelligence (CEWI) units in the Fifth US Army area. The facility will consist of a communications center capable of handling special compartmented intelligence information, intercept equipment positions, data processing equipment for student use in processing sensitive information, secure work areas and classrooms, and administrative space for managing the program and providing logistical support to the students. It will accommodate a student load of 158 military intelligence (MI) reservists who will attend scheduled training at the CTF periodically in lieu of some of their individual training drills at home station.

CURRENT SITUATION: The training of Reserve CEWI personnel is primarily conducted by units at their home station. The MI skills suffer under this program due to the nonavailability of the sophisticated mission equipment

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Camp Bullis, TX		
4. PROJECT TITLE Military Intelligence Consolidated Training Facility		5. PROJECT NUMBER 87-0019

in the Reserve units. As a result, it is virtually impossible to maintain any degree of proficiency in the occupational specialties of morse, non-morse, voice, and noncommunications, intercept operators, interrogators, image interpreters, communication traffic analysts, and systems repair specialists. An existing SCIF, located in a converted rifle range at the Austin, TX USARC, will be used as an interim CTF until the facility is constructed. The physical and space limitations of the Austin SCIF preclude its expansion into a full scale CTF.

IMPACT IF NOT PROVIDED: Critical occupational skills will not be sustained or improved. Without individual proficiency, the unit would not be able to perform essential functions of collection, processing, analysis, and reporting with an adverse effect upon unit readiness and mission requirements.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 01/85
(b) Percent Complete as of January 1986.......... 90
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete.......................... 04/86

(2) Basis:
(a) Standard or Definitive Design - Yes ____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(99)
(b) All Other Design Costs.......................(9)
(c) Total.. 108
(d) Contract.......................................(0)
(e) In-house.......................................(108)

(4) Construction start......................... 01/87
month and year

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Camp Bullis, TX		
4. PROJECT TITLE Military Intelligence Consolidated Training Facility		5. PROJECT NUMBER 87-0019

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	6

DD FORM 1 DEC 76 1391c

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED

1. COMPONENT USAR	FY 19⁸⁷ GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Fort Lee, VA		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 5 nights/week; 3 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

USNRC, Richmond, VA - 20 miles
Montieth USARC, Richmond, VA - 25 miles
NG Armory, Petersburg, VA - 8 miles
NG Armory, Hopewell, VA - 5 miles
NG Armory, Blackstone, VA - 15 miles
Strathmore USARC, Richmond, VA - 20 miles
Bellwood Defense General Supply Center, Richmond, VA - 15 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	Add/Alt 400-Mbr USARC	41,252SF	2,299	12/83	04/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

7 Oct 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

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Page 1 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
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1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Fort Lee, VA

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	7	1		6	312	54	258
ACTUAL	7	1		6	301	89	212

12. RESERVE UNIT DATA

ASGD/AUTH 97%

	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
300TH LG HHC ARE SUPPORT GROUP	146	139
435TH CHEMICAL DET DECON	40	38
80TH IN CMD TRAC CMTE	126	124
	312	301

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Trucks	33	24
Other Equipment	17	11
Total	50	35

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Fort Lee, VA	4. PROJECT TITLE Add/Alt 400-Mbr USARC

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0020	8. PROJECT COST ($000) 2,299

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1918
Training Building Addition	SF	18975	56.92	(1080)
Training Building Alteration	SF	18120	42.11	(763)
Maintenance Building Alteration	SF	4157	18.05	(75)
SUPPORTING FACILITIES:				157
Site Preparation	LS			(30)
Site Improvements	LS			(22)
Parking	SY	1130	21.24	(24)
Sidewalks and Paving	SY	364	27.47	(10)
Utilities	LS			(11)
Exterior Lighting	LS			(24)
Sanitary/Storm Systems	LS			(36)
TOTAL CONSTRUCTION COST				2075
Contingencies (5%)				104
Supervision and Administration (5.5%)				120
TOTAL PROJECT COST				2299

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Design provides for expansion of existing two story building with brick/CMU walls, built-up roof, and concrete slab floor. Expansion will be compatible with existing facilities. Air Conditioning: 50 tons.

11. REQUIREMENT: 41,252 SF. Adequate: 0 SF. Substandard: 22,277 SF.

PROJECT: Addition and alteration to existing training and maintenance buildings.

REQUIREMENT: This facility will house the Headquarters of a Support Group, a training company, and a chemical decontamination unit. The new building provides a single location for Army Reserve units assigned to the Support Group Headquarters and allows centralized storage, training, maintenance, and administration of all Army Reserve units at Fort Lee.

CURRENT SITUATION: The existing facility which was constructed in FY 1961 on a five acre site at Fort Lee does not meet the functional area requirements of the tenant organizations. Several units are presently using WWII barracks located three miles from the existing center to alleviate the overcrowded conditions. The existing center does not have adequate administrative and storage areas, kitchen facilities, air conditioning and parking areas.

IMPACT IF NOT PROVIDED: If this project is not provided, the existing facility will continue in use which will adversely impact on the unit's morale, training and readiness.

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Fort Lee, VA		
4. PROJECT TITLE Add/Alt 400-Mbr USARC		5. PROJECT NUMBER 87-0020

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 12/83
(b) Percent Complete as of January 1986.......... 95
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 04/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(116)
(b) All Other Design Costs......................(54)
(c) Total.. 170
(d) Contract.....................................(0)
(e) In-house.....................................(170)

(4) Construction start.......................... 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	94

1. COMPONENT
USAR

FY 19 87 GUARD AND RESERVE
MILITARY CONSTRUCTION

2. DATE
4Feb86

3. INSTALLATION AND LOCATION
USAR Center, Bothell, WA

4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 4 evenings/week; 3 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

AFRC, San Point, WA - 12 miles
Paine Field USARC, Everett, WA - 12 miles
Oswald Hall USARC, Everett, WA - 12 miles
USARC, Renton, WA - 20 miles
AFRC, Port Orchard, WA - 25 miles
USARC, Fort Lawton, WA - 17 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	600-Mbr USARC w/OMS	38,519SF	3,400	03/83	06/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

25 Jul 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Bothell, WA

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	20	1	8	11	588	87	501
ACTUAL	25	1	7	17	605	75	530

12. RESERVE UNIT DATA

ASGD/AUTH 103%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
6008TH CIVIL DEF SUP DET	37	38
3D BDE TNG 104 DIV AUG	45	41
3D BDG TNG 104 DIV	6	7
104TH RGT BN 3 BDE 3 HQ	6	11
104TH RGT BN 3 BDE 3 CO C	17	21
104TH RGT BN 3 BDE 3 CO D	17	20
104TH RGT BN 3 BDE 3 CO E	17	22
104TH TNG CMD CO C	143	125
104TH RGT BN 1 BDE 3 HQ	6	11
104TH RGT BN 1 BDE 3 CO A	17	17
104TH RGT BN 1 BDE 3 CO B	17	13
104TH RGT BN 1 BDE 3 CO C	17	17
104TH RGT BN 1 BDE 3 CO D	17	19
104TH RGT BN 1 BDE 3 CO E	17	20
1ST SF GP 12 BN 3 CO B	22	24
1ST SF GP 12 BN 3 CO B/B1	14	9
1ST SF GP 12 BN 3 CO B/B2	14	15
361ST PSYOPS CO	79	88
104TH RGT BN 1 AUG	39	41
104TH RGT BN 3 AUG	41	46
	588	605

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Wheeled Vehicles	44	44
Trailers	24	24
Total	68	68

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

DD FORM 1 DEC 76 1390s
Page 2 of 2

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Bothell, WA	4. PROJECT TITLE 600-Mbr USARC w/OMS

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0021	8. PROJECT COST ($000) 3,400

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				2531
Training Building	SF	36649	64.99	(2382)
Maintenance Building	SF	1870	79.68	(149)
SUPPORTING FACILITIES:				539
Site Preparation	LS			(54)
Site Improvements	LS			(40)
Utilities	LS			(99)
Military Equipment Parking/ Access Road Paving	SY	5300	19.05	(101)
Parking	SY	10300	16.41	(169)
Fencing	LF	680	16.18	(11)
Exterior Lighting	LS			(65)
TOTAL CONSTRUCTION COST				3070
Contingencies (5%)				153
Supervision and Administration (5.5%)				177
TOTAL PROJECT COST				3400

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct permanent concrete building with insulated wall, ceiling and floors, concrete foundation, built-up roofing, including necessary structural electrical and mechanical works. Provide asphaltic concrete roads and parking areas, concrete curbs, walks, and drains. This project provides a new training center structure; including administrative and classroom space, kitchen facilities, and maintenance shop. Air Conditioning: 0 tons.

11. REQUIREMENT: 38,519 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: Construct Army Reserve Center with Organizational Maintenance Shop.

REQUIREMENT: This project is needed to provide a consolidated facility for units of the 104th Training Division, 1st Special Forces, 6008th Civil Defense Detachment, and 361st Psychological Operations Company to conduct all phases of readiness training, recruiting, administrative, and maintenance operations.

CURRENT SITUATION: These units are currently housed in four locations. The 6008th Civil Defense unit is collocated with a Civil Defense Agency in a temporary facility not conducive to effective training. Units of the 104th Training Division are located at Fort Lawton in overcrowded WWII buildings deficient in functional space. The 361st Psychological Operations company is housed in Seattle in an overcrowded facility, and the 1st Special Forces units are in an old substandard Navy hangar at Sand Point. Bothell is centrally located to better serve these units.

IMPACT IF NOT PROVIDED: Continued use of these old facilities which are deficient in essential functional space will impact adversely on the

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Bothell, WA		
4. PROJECT TITLE 600-Mbr USARC w/OMS		5. PROJECT NUMBER 87-0021

units' training, recruitment, retention, and readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 03/83
(b) Percent Complete as of January 1986.......... 80
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 06/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(276)
(b) All Other Design Costs......................(50)
(c) Total....................................... 326
(d) Contract....................................(25)
(e) In-house....................................(301)

(4) Construction start.......................... 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	80
Wire Partitions	OMAR	87	85
Metal Lockers	OMAR	87	30
			195

1. COMPONENT	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
USAR		4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Fond Du Lac, WI

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	4	0	4	0	128	16	112
ACTUAL	2	0	1	1	160	16	144

12. RESERVE UNIT DATA

ASGD/AUTH 125%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
HHC, 2D BN, 351ST RGT, 2D BDE	36	5
CO A, 2D BN, 351ST RGT, 2D BDE	23	24
CO B, 2D BN, 351ST RGT, 2D BDE	23	21
CO C, 2D BN, 351ST RGT, 2D BDE	23	29
CO D, 2D BN, 351ST RGT, 2D BDE	23	81
	128	160

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Tanks	2	1
Trucks	1	1
Total	3	2

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1 COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2 DATE 4Feb86
3 INSTALLATION AND LOCATION USAR Center, Fond Du Lac, WI		4 AREA CONSTR COST INDEX

5 FREQUENCY AND TYPE OF UTILIZATION

Reservists - 1 weeknight/month; 2 weekends/month
Full-time Personnel - 5 days/week

6 OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Wisconsin National Guard Armory, Fond Du Lac, WI	- 5 miles
USARC, Oshkosh, WI	- 25 miles
Wisconsin National Guard Armory, Oshkosh, WI	- 25 miles
Wisconsin National Guard Armory, Waupun, WI	- 20 miles

7 PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS	
				START	COMPLETE
171-40	150-Mbr USARC/ Tank Training Facility	16,086SF	1,562	11/83	10/85

8 STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

5 Nov 85
(Date)

9 LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10 PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Mr 77

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Fond du Lac, WI	4. PROJECT TITLE 150-Mbr USARC, Tank Training Facility

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0022	8. PROJECT COST ($000) 1,562

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				1163
Training Building	SF	13562	77.64	(1053)
Convert Maintenance Building to Tank Training Facility	SF	2524	43.58	(110)
SUPPORTING FACILITIES:				247
Demolition	LS			(17)
Site Preparation	LS			(11)
Site Improvements	LS			(56)
Utilities	LS			(96)
Parking	SY	3500	16.29	(57)
Fencing-New	LF	200	15.00	(3)
Fencing-Repair	LF	715	9.79	(7)
TOTAL CONSTRUCTION COST				1410
Contingencies (5%)				71
Supervision and Administration (5.5%)				81
TOTAL PROJECT COST				1562

10. DESCRIPTION OF PROPOSED CONSTRUCTION

This project provides for construction of a new single story brick and concrete training building with concrete floor slab and metal deck roof with single ply membrane. Alterations will include the conversion of the maintenance shop to a tank training facility and demolition of the existing training building. Air Conditioning: 0 tons.

11. REQUIREMENT: 16,086 SF. Adequate: 0 SF. Substandard: 2,524 SF.

PROJECT: Construct a 150-member center and convert existing maintenance shop to a tank training facility.

REQUIREMENT: The project is required to house a battalion headquarters and four line companies of an armored training division brigade. Adequate functional space is needed to achieve proficiency in armor vehicle training and to accomplish mobilization mission.

CURRENT SITUATION: The existing Army Reserve Center consists of a training building and an Organizational Maintenance Shop which were constructed in 1955. The training building is structurally deficient and does not have sufficient administrative, mess, and training areas. The maintenance building is not energy efficient and the roof needs to be replaced. Its interior is not properly configured to provide for unit and flammable storage or the space needed to conduct training on the tracked vehicle driving trainer.

IMPACT IF NOT PROVIDED: The existing buildings will be continued in use with resultant adverse effect upon the units' ability to achieve and maintain unit and individual training and readiness.

PREVIOUS EDITIONS MAY BE USED INTERNALLY
UNTIL EXHAUSTED
NGB-PP-No 77

1 COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 4Feb86

3 INSTALLATION AND LOCATION

USAR Center, Fond du Lac, WI

4 PROJECT TITLE

150-Mbr USARC, Tank Training Facility

5 PROJECT NUMBER

87-0022

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 11/83
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 10/85

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(68)
(b) All Other Design Costs........................(70)
(c) Total.. 138
(d) Contract.......................................(108)
(e) In-house.......................................(30)

(4) Construction start........................ 01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
Kitchen Equipment	OMAR	87	33
Wire Partitions	OMAR	87	33
			66

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Apra Heights, Guam		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Full-time Personnel - 5 days/week; 2 weeknights/month; 2 weekends/month

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

Dydasco USARC, Apra Heights, Guam - 200 yards
Roxas WET Site, Apra Heights, Guam - 2 miles
BCQ, Apra Heights, Guam - 1-1/2 miles
National Guard Armory, Guam - 8 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
214-90	ECS/AMSA w/OMS Alteration	6,640SF	888	08/84	11/86

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

10 May 85
(Date)

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED
NGB-PP-Me 77

1. COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

Apra Heights, Guam

11. PERSONNEL STRENGTH AS OF

31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	6			6			
ACTUAL	1			1			

12. RESERVE UNIT DATA

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL

Project is for the storage of equipment and is not dependent upon Reserve personnel strength.

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
Wheeled Equipment		173
Trailers		48
General Equipment		310
Total		531

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION Apra Heights, Guam	4. PROJECT TITLE ECS/AMSA w/OMS Alterations

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 214-90	7. PROJECT NUMBER 87-0023	8. PROJECT COST ($000) 888

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				517
Maintenance Building Alteration	SF	2388	35.00	(84)
Maintenance Building	SF	732	110.00	(81)
Storage Facilitiy	SF	3520	100.00	(352)
SUPPORTING FACILITIES:				285
Military Equipment Parking	SY	3882	35.00	(136)
Mechanical	LS			(20)
Electrical	LS			(27)
Fencing	LS	2000	25.00	(50)
Loading Ramp	EA	1	25000	(25)
POL Storage Facility	EA	1	7000	(7)
Site Preparation	LS			(20)
TOTAL CONSTRUCTION COST				802
Contingencies (5%)				40
Supervision and Administration (5.5%)				46
TOTAL PROJECT COST				888

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct an Equipment Concentration Site (ECS) and an addition to the existing maintenance shop as well as making alterations. The new construction will be of reinforced concrete, built-up roofing, spread footing, and pyles. Air Conditioning: 0 tons.

11. REQUIREMENT: 6,640 SF. Adequate: 0 SF. Substandard: 2,388 SF.

PROJECT: Construct an Equipment Concentration Site and an Area Maintenance Support Activity and make alterations to the existing Organizational Maintenance Shop.

REQUIREMENT: This project is to provide the necessary storage and area maintenance support of all Army Reserve units on Guam and Saipan. An oversized maintenance bay with overhead travelling crane is required to service the engineer equipment and tractors. An open storage facility is needed to store all vehicles over 2.5 tons, all engineer equipment, and equipment not being utilized during inactive duty for training.

CURRENT SITUATION: Available military equipment parking area at the Dydasco Army Reserve Center is filled to capacity with vehicles and trailers. Vehicles over 2.5 tons and engineer equipment are being stored at the Roxas weekend training site. This site does not have proper long term open storage facilities and lacks adequate security measures to prevent damage and pilferage of stored equipment. Equipment that would normally be stored in a covered building is presently being stored in the Dydasco Reserve Center assembly hall, the battery and flammable storage room in the maintenance shop, and also at the ECS in Hawaii. The facility in Hawaii is completely filled and a headquarters command post tunnel is

1 COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2 DATE 4Feb86
3 INSTALLATION AND LOCATION Apra Heights, Guam		
4 PROJECT TITLE ECS/AMSA w/OMS Alterations		5 PROJECT NUMBER 87-0023

being used for temporary storage to handle the overflow. The three work bays in the existing maintenance facility are suited to automotive type repairs but cannot accommodate the larger engineer equipment and tractors. The organizational and higher maintenance for the latter equipment is being performed by the Navy or by the more costly and time consuming alternative of shipping vehicles back to the maintenance facility in Hawaii. IMPACT IF NOT PROVIDED: Continued use of the substandard storage and maintenance facilities will impact adversely on the training and readiness of the units in Guam.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.......................... 08/84
(b) Percent Complete as of January 1986.......... 100
(c) Percent Complete as of October 1986.......... 100
(d) Date Design Complete......................... 11/86

(2) Basis:
(a) Standard or Definitive Design - Yes____ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(42)
(b) All Other Design Costs.......................(38)
(c) Total.. 80
(d) Contract.....................................(70)
(e) In-house.....................................(10)

(4) Construction start.......................... 11/86
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

1. COMPONENT USAR	FY 1987 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Fort Allen, PR		4. AREA CONSTR COST INDEX

5. FREQUENCY AND TYPE OF UTILIZATION

Reservists - 3 weekends/month
Full-time Personnel - 5 days/week

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 25 MILE RADIUS

National Guard Armory, Ponce, PR - 15 miles
USARC, Ponce, PR - 15 miles
National Guard Training Site, Salinas, PR - 15 miles

7. PROJECTS REQUESTED IN THIS PROGRAM

CATEGORY CODE	PROJECT TITLE	SCOPE	COST ($000)	DESIGN STATUS START	DESIGN STATUS COMPLETE
171-40	600-Mbr USARC w/OMS/ DS-GS Maint/ECS	93,396SF	7,784	05/83	12/85

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

1 Aug 84
(Date)

Activities identified in Item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommends unilateral construction.

9. LAND ACQUISITION REQUIRED

None

-0-
(Number of Acres)

10. PROJECTS PLANNED IN NEXT FOUR YEARS

None

1. COMPONENT USAR	FY 19 87 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 4Feb86

3. INSTALLATION AND LOCATION

USAR Center, Fort Allen, PR

11. PERSONNEL STRENGTH AS OF 31 December 1985

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	16	0	8	8	541	37	504
ACTUAL	16	0	8	8	571	21	550

12. RESERVE UNIT DATA

ASGD/AUTH 106%

UNIT DESIGNATION	STRENGTH AUTHORIZED	STRENGTH ACTUAL
350TH MD DET DISP	20	25
941ST QM CO PETROL SUP	178	179
276TH CS MAINT CO	174	193
35TH SC BN HHC	162	170
272D MAINT DET	7	4
	541	571

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	Home Station Authorized	Home Station Assigned	ECS Assigned
Trucks	127	84	7
Trailers	87	43	4
Tractors	4	4	0
Wheeled Equipment			306
General Equipment			4
Total	218	131	321

14. Outstanding Pollution and Safety Deficiencies

	($000)
Air Pollution	0
Water Pollution	0
Safety and Occupational Health	0

1. COMPONENT USAR	FY 19^{87} MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION USAR Center, Fort Allen, PR	4. PROJECT TITLE 600-Mbr USARC w/OMS/DS-GS Maint/ECS

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER 87-0024	8. PROJECT COST ($000) 7,784

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
PRIMARY FACILITIES:				5042
Training Building	SF	33600	74.77	(2512)
Maintenance Building	SF	19224	67.52	(1298)
Storage Facility	SF	40572	30.37	(1232)
SUPPORTING FACILITITES:				1985
Site Improvements	LS		-	(730)
Utilities	LS			(448)
Road	SY	9394	7.67	(72)
Military Equipment Parking	SY	132000	5.57	(735)
TOTAL CONSTRUCTION COST				7027
Contingencies (5%)				351
Supervision and Administration (5.5%)				406
TOTAL PROJECT COST				7784

10. DESCRIPTION OF PROPOSED CONSTRUCTION

New permanent, fire resistive 600-member Army Reserve Center with Organizational Maintenance Shop (OMS) and Direct Support/General Support (DS/GS) Maintenance Shop collocated with an Equipment Concentration Site (ECS), parking facilities, and required utilities, landscaping, fencing, and lighting. Construction is reinforced masonry, slab on grade, and spread footings with built-up roof. Air Conditioning: 48 tons.

11. REQUIREMENT: 93,396 SF. Adequate: 0 SF. Substandard: 0 SF.

PROJECT: Construct Army Reserve Center with OMS, DS-GS Maintenance Shop and ECS with storage facility.

REQUIREMENT: Project is required to provide facilities for the administration and training for the five assigned units. Offices, classrooms, assembly space, unit storage, DS/GS, and unit maintenance areas are required. Additionally, an ECS site is needed to store equipment assigned to all units located in Puerto Rico to facilitate training at Fort Allen and for mobilization.

CURRENT SITUATION: The units are currently housed in a leased warehouse in Ponce. The facility is undersized and lacks classrooms, assembly hall, kitchen, maintenance facilities, and secure unit storage. Only limited military equipment and privately owned vehicle parking exists. The equipment to be stored at the ECS is currently located at the individual units' Reserve centers or is stored in the United States for lack of available storage in Puerto Rico.

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION USAR Center, Fort Allen, PR		
4. PROJECT TITLE 600-Member USAR Center w/OMS/ECS		5. PROJECT NUMBER 87-0024

IMPACT IF NOT PROVIDED: Continued use of these overcrowded facilities will impact adversely on the units' training, morale, recruitment, retention, and readiness.

12. SUPPLEMENTAL DATA:

a. Estimated design data:

(1) Status:
(a) Date Design Started.............................05/83
(b) Percent Complete as of January 1986..........100
(c) Percent Complete as of October 1986..........100
(d) Date Design Complete...........................12/85

(2) Basis:
(a) Standard or Definitive Design - Yes ___ No X
(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): ($000)
(a) Production of Plans and Specifications......(30)
(b) All Other Design Costs.........................(190)
(c) Total...220
(d) Contract...(50)
(e) In-house...(170)

(4) Construction start.............................01/87
month and year

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost ($000)
None			

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION Various Locations	4. PROJECT TITLE Projects $400,000 and Under

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST ($000)

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Projects $400,000 and Under	LS			2350

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Projects having a funded cost of $400,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as well as land acquisition.

11. REQUIREMENT: Included are specified projects that are described and listed on subsequent pages.

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1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Various Locations - Within the United States		
4. PROJECT TITLE Projects $400,000 and Under		5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
CALIFORNIA		
Van Nuys	Maintenance Shop/Kitchen Additions	300

The addition to the existing US Army Reserve Center will provide a kitchen in which to train cooks. Construction in the maintenance shop will consist of modifications to provide an exhaust system, lighting upgrade and safety facilities in the battery room.

IOWA		
Ottumwa	Land Acquisition	60

The land acquisition of 5 acres is to support the construction of a new 100 member US Army Reserve Center and maintenance facility. The existing Center, whose occupancy exceeds 300 percent of its rated capacity, is on leased land.

MASSACHUSETTS		
Fort Devens	Equipment Concentration Site	360

Construct 15,000 SY of parking space to accommodate additional equipment to be stored and an 840 SF Dispatch Building to house civilian and military personnel assigned to the activity.

MICHIGAN		
Kalamazoo	Land Acquisition	110

The 5.1 acres to be acquired is to support the planned construction of 300-member US Army Reserve Center having a medical wing and adequate parking for military equipment and privately owned vehicles.

MINNESOTA		
St. Cloud	Land Acquisition	255

The land acquisition of 8 acres is to support the planned construction of a new 150- member US Army Reserve Center with maintenance facilities. Units are currently in a Navy-owned facility and are to be displaced.

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Various Locations - Within the United States		
4. PROJECT TITLE Projects $400,000 and Under		5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
NEW YORK		
Schenectady	Maintenance Activity/Kitchen Addition	165

The addition to the existing US Army Reserve Center will provide a kitchen in which to train cooks assigned to the unit. The modifications to the maintenance facility will provide areas to store tools and batteries.

NORTH CAROLINA		
Durham	Land Acquisition	90

Acquisition of 0.9 acres in downtown Durham on which an Army-owned Army Reserve Center stands. The land is now being leased from the municipal government.

Statesville	Land Acquisition	35

Provides for an option to acquire 5.5 acres of land and a 12,050 SF building to support the requirement for a 60-member US Army Reserve Center. This facility will replace an inadequately sized center that has only limited parking space.

SOUTH CAROLINA		
Florence	Land Acquisition	200

Acquisition of 2 acres of land to support a planned expansion of the existing US Army Reserve Center.

Orangeburg	Land Acquisition	75

Acquisition of 3 acres of land to support a planned project to construct an addition and to make alterations to the existing US Army Reserve Center and maintenance facility.

Rock Hill	Land Acquisition	20

Acquisition of approximately 6 acres of land to support a planned project to construct a new 200-member US Army Reserve Center to replace the existing inadequate facility.

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86
3. INSTALLATION AND LOCATION Various Locations - Within the United States		
4. PROJECT TITLE Projects $400,000 and Under		5. PROJECT NUMBER

STATE AND LOCATION	PROJECT TITLE	COST ($000)
TEXAS		
Fort Sam Houston	Reserve Center Alteration	145
Construct modifications to the assembly hall to provide classroom and lecture facilities.		
Sinton	Reserve Center Addition	190
Construct an addition to the existing US Army Reserve Center to provide 1,700 SF of classroom and storage space as well as a 620 SF kitchen to train cooks assigned to the unit.		
UTAH		
Provo	Storage Building	110
Construct an 1,800 SF storage building to secure and protect weather sensitive equipment.		
WISCONSIN		
Racine	Land Acquisition	235
Purchase 9.5 acres to support the planned construction of a 300-member US Army Reserve Center with a maintenance facility.		
		2,350

1. COMPONENT USAR	FY 19 87 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION Various Locations	4. PROJECT TITLE Minor Construction (Unspecified)

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 1,100

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Unspecified Minor Construction	LS			1100

10. DESCRIPTION OF PROPOSED CONSTRUCTION
Provides a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost of $400,000 or less, inlclding construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC 2233 and 2233a.

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11. REQUIREMENT: This package provides the means of accomplishing projects not exceeding $400,000 that are not now identified but which are anticipated to arise during FY 87.

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NGB-PP-No 77

1. COMPONENT USAR	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 4Feb86

3. INSTALLATION AND LOCATION Appropriate USAR Installations as necessary	4. PROJECT TITLE Planning and Design

5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST ($000) 11,300

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
Various Locations	LS			11300

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Prepare engineering drawings and specifications necessary to support projects to be constructed as part of the MCAR program.

11. REQUIREMENT: To provide for design of necessary construction projects that support the USAR mission.

DD FORM 1 DEC 76 1391 PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED